

Seq ID No.

5 Ad1 -----MVD T VNSYNTATGL TSALNLPQVS T FVNNWANLG MWWFSIALMF
6 Ad2 MTGSTIAPTT DYRNTTATGL TSALNLPQVH AFVNDWASLD MWWFSIALMF
7 Ad5 -----MTN TTNAATGL TSTNTTPQVS AFVNNWDNLG MWWFSIALMF
8 Ad6 -----MVD T VNSYNTATGL TSALNLPQVH AFVNDWASLG MWWFSIALMF
9 dl716 MTGSTIAPTT DYRNTTATGL TSALNLPQVH AFVNDWASLD MWWFSIALMF
10 dl715 MTGSTIAPTT DYRNTTATGL TSALNLPQVH AFVNDWASLD MWWFSIALMF
11 dl714 MTGSTIAPTT DYRNTTATGL TSALNLPQVH AFVNDWASLD MWWFSIALMF
12 dl737 MTGSTIAPTT DYRNTTATGL TSALNLPQ-----IALMF

5 Ad1 VCLIIMWLSC CLKRRRARPP IYKPIIVLNP NNDGIHRLDG LNTCSFSFAV -
6 Ad2 VCLIIMWLIC CLKRRRARPP IYRPIIVLNP HNEKIHRLDG LKPCSLLLQY D
7 Ad5 VCLIIMWLIC CLKRRRARPP IYSPPIVLNP NNDGIHRLDG LKHMFFSLTV -
8 Ad6 VCLIIMWLIC CLKRRRARPP IYRPIIVLNP HNEKIHRLDG LKPCSLLLQY D
9 dl716 VCLIIMWLIC CLKRRRARPP IYRPIIVL-----G LKPCSLLLQY D
10 dl715 VCLIIMWLIC CLKRRRARPP IYRPI-----SLLLQY D
11 dl714 VCLIIMWLIC CLKRRRARPP -----HNEKIHRLDG LKPCSLLLQY D
12 dl737 VCLIIMWLIC CLKRRRARPP IYRPIIVLNP HNEKIHRLDG LKPCSLLLQY D

Seq. ID No.

17 aa 1-40 of Ad2 ADP MTGSTIAPTT DYRNTTATGL TSALNLPQVH AFVNDWASLD
18 aa 41-59 of Ad2 ADP MWWFSIALMF VCLIIMWLI
19 aa 63-70 of Ad2 ADP KRRRARPP
20 aa 60-101 of Ad2 ADP C CLKRRRARPP IYRPIIVLNP HNEKIHRLDG LKPCSLLLQY D

FIGURE 20

LOCUS ad5 comple 35935 bp DNA SYN 06-FEB-1999
 DEFINITION ad5 complete genome
 ACCESSION ad5 comple
 KEYWORDS .
 SOURCE Unknown.
 ORGANISM Unknown
 Unclassified.
 REFERENCE 1 (bases 1 to 35935)
 AUTHORS Self
 JOURNAL Unpublished.
 BASE COUNT 8367 a 10073 c 9761 g 7734 t
 ORIGIN

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1 CATCATCAAT AATATACCTT ATTTTGGATT GAAGCCAATA TGATAATGAG GGGGTGGAGT
61 TTGTGACGTG GCGCGGGGCG TGGGAACGGG GCGGGTGACG TAGTAGTGTG GCGGAAGTGT
121 GATGTTGCAA GTGTGGCGGA ACACATGTAA GCGACGGATG TGGCAAAAGT GACGTTTTTG
181 GTGTGCGCCG GTGTACACAG GAAGTGACAA TTTTCGCGCG GTTTTAGGCG GATGTTGTAG
241 TAAATTTGGG CGTAACCGAG TAAGATTTGG CCATTTTCGC GGGAAACTG AATAAGAGGA
301 AGTGAAATCT GAATAATTTT GTGTTACTCA TAGCGCGTAA TATTTGTCTA GGGCCGCGGG
361 GACTTTGACC GTTTACGTGG AGACTCGCCC AGGTGTTTTT CTCAGGTGTT TTCCGCGTTC
421 CGGGTCAAAG TTGGCGTTTT ATTATTATAG TCAGCTGACG TGTAGTGTAT TTATACCCGG
481 TGAGTTCCTC AAGAGGCCAC TCTTGAGTGC CAGCGAGTAG AGTTTTCTCC TCCGAGCCGC
541 TCCGACACCG GGAAGGAAAA TGAGACATAT TATCTGCCAC GGAGGTGTTA TTACCGAAGA
601 AATGGCCGCC AGTCTTTTGG ACCAGCTGAT CGAAGAGGTA CTGGCTGATA ATCTTCCACC
661 TCCTAGCCAT TTTGAACCAC CTACCCTTCA CGAACTGTAT GATTTAGACG TGACGGCCCC
721 CGAAGATCCC AACGAGGAGG CGGTTTCGCA GATTTTCCC GACTCTGTAA TGTTGGCGGT
781 GCAGGAAGGG ATTGACTTAC TCACTTTTCC GCCGCGCCCC GGTCTCCCG AGCCGCTCA
841 CCTTTCCCGG CAGCCCGAGC AGCCGGAGCA GAGAGCCTTG GGTCCGTTT CTATGCCAAA
901 CCTTGATCCG GAGGTGATCG ATCTTACCTG CCACGAGGCT GGCTTTCCAC CCAGTGACGA
961 CGAGGATGAA GAGGTGAGG AGTTTGTGTT AGATTATGTG GAGCACCCTG GGCACGGTTG
1021 CAGGTCTTGT CATTATCACC GGAGGAATAC GGGGGACCCA GATATTATGT GTTCGCTTTG
1081 CTATATGAGG ACCTGTGGCA TGTTTGCTA CAGTAAGTGA AAATTATGGG CAGTGGGTGA
1141 TAGAGTGGTG GGTGTGGTGT GGTAAATTTT TTTTAAATTT TTACAGTTTT GTGGTTTAAA
1201 GAATTTTGTA TTGTGATTTT TTTAAAGGT CCTGTGCTG AACCTGAGCC TGAGCCCGAG
1261 CCAGAACCGG AGCCTGCAAG ACCTACCCGC CGTCTAAAAA TGGCGCCTGC TATCCTGAGA
1321 CGCCCGACAT CACCTGTGTC TAGAGAATGC AATAGTAGTA CGGATAGCTG TGACTCCGGT
1381 CCTTCTAACA CACCTCCTGA GATACACCCG GTGGTCCCGC TGTGCCCCAT TAAACCAAGT
1441 GCCGTGAGAG TTGGTGGGCG TCGCCAGGCT GTGGAATGTA TCGAGGACTT GCTTAACGAG
1501 CCTGGGCAAC CTTTGGACTT GAGCTGTAAA CGCCCCAGGC CATAAGGTGT AAACCTGTGA
1561 TTGCGTGTGT GGTAAACGCC TTTGTTTGCT GAATGAGTTG ATGTAAGTTT AATAAAGGT
1621 GAGATAATGT TTAACCTGCA TGGCGTGTTA AATGGGGCGG GGCTTAAAGG GTATATAATG
1681 CGCCGTGGGC TAATCTTGGT TACATCTGAC CTCATGGAGG CTTGGGAGTG TTTGGAAGAT
1741 TTTCTGCTG TGCCTAACTT GCTGGAACAG AGCTCTAACA GTACCTCTTG GTTTTGGAGG
1801 TTTCTGTGGG GCTCATCCCA GGCAAAGTTA GTCTGCAGAA TTAAGGAGGA TTACAAGTGG
1861 GAATTTGAAG AGCTTTTGAA ATCCTGTGGT GAGCTGTTT GAGCTGTTT TTTCCACACC GGGGCGCGCT
1921 CAGGCGCTTT TCCAAGAGAA GGTATCAAG ACTTTGGATT TTTCCACACC GGGGCGCGCT
1981 GCGGCTGCTG TTGCTTTTTT GAGTTTTATA AAGGATAAAT GGAGCGAAGA AACCCATCTG
2041 AGCGGGGGGT ACCTGCTGGA TTTTCTGGCC ATGCATCTGT GGAGAGCGGT TGTGAGACAC
2101 AAGAATCGCC TGCTACTGTT GTCTTCCGTC CGCCCGGCGA TAATACCGAC GGAGGAGCAG
2161 CAGCAGCAGC AGGAGGAAGC CAGGCGGCGG CGGCAGGAGC AGAGCCCATG GAACCCGAGA
2221 GCCGGCCTGG ACCCTCGGGA ATGAATGTTG TACAGGTGGC GGGGGTAAAG AGGGAGCGGG
2281 GACGCATTTT GACAATTACA GAGGATGGGC AGGGGCTAAA TAGCTTAATG ACCAGACACC
2341 GGGCTTGTGA GGCTACAGAG GAGGCTAGGA ATCTAGCTTT TAGCTTAATG ACCAGACACC
2401 GTCCTGAGTG TATTACTTTT CAACAGATCA AGGATAATTG CGCTAATGAG CTTGATCTGC
2461 TGGCGCAGAA GTATTCCATA GAGCAGCTGA CCACTTACTG GCTGCAGCCA GGGGATGATT
2521 TTGAGGAGGC TATTAGGGTA TATGCAAAGG TGGCACTTAG GCCAGATTGC AAGTACAAGA
2581 TCAGCAAAC TGTAAATATC AGGAATTGTT GCTACATTTT TGGGAACGGG GCGGAGGTGG
2641 AGATAGATAC GGAGGATAGG GTGGCCTTTA GATGTAGCAT GATAAATATG TGGCCGGGGG

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FIGURE 21
(SHEET 1)

2701 TGCTTGGCAT GGACGGGGTG GTTATTATGA ATGTAAGGTT TACTGGCCCC AATTTTAGCG
 2761 GTACGGTTTT CCTGGCCAAT ACCAACCTTA TCCTACACGG TGTAAGCTTC TATGGGTTTA
 2821 ACAATACCTG TGTGGAAGCC TGGACCGATG TAAGGGTTTC GGGCTGTGCC TTTTACTGCT
 2881 GCTGGAAGGG GGTGGTGTGT CGCCCCAAAA GCAGGGCTTC AATTAAGAAA TGCCTCTTTG
 2941 AAAGGTGTAC CTTGGGTATC CTGTCTGAGG GTAACCTCAG GGTGCGCCAC AATGTGGCCT
 3001 CCGACTGTGG TTGCTTCATG CTAGTGAAAA GCGTGGCTGT GATTAAGCAT AACATGGTAT
 3061 GTGGCAACTG CGAGGACAGG GCCTCTCAGA TGCTGACCTG CTCGGACGGC AACTGTCACC
 3121 TGCTGAAGAC CATTACGTA GCCAGCCACT CTCGCAAGGC CTGGCCAGTG TTTGAGCATA
 3181 ACATACTGAC CCGCTGTTCC TTGCATTTGG GTAACAGGAG GGGGGTGTTC CTACCTTACC
 3241 AATGCAATTT GAGTCACACT AAGATATTGC TTGAGCCCGA GAGCATGTCC AAGGTGAACC
 3301 TGAACGGGGT GTTTGACATG ACCATGAAGA TCTGGAAGGT GCTGAGGTAC GATGAGACCC
 3361 GCACCAGGTG CAGACCCTGC GAGTGTGGCG GTAAACATAT TAGGAACCAG CCTGTGATGC
 3421 TGGATGTGAC CGAGGAGCTG AGGCCCGATC ACTTGGTGTCT GGCCTGCACC CGCGCTGAGT
 3481 TTGGCTCTAG CGATGAAGAT ACAGATTGAG GTACTGAAAT GTGTGGGCGT GGCTTAAGGG
 3541 TGGGAAGAA TATATAAGGT GGGGGTCTTA TGTAGTTTTG TATCTGTTTT GCAGCAGCCG
 3601 CCGCCGCCAT GAGCACCAC TCCTTTGATG GAAGCATTGT GAGCTCATAT TTGACAACGC
 3661 GCATGCCCCC ATGGGCGGG GTGCGTCAGA ATGTGATGGG CTCCAGCATT GATGGTCGCC
 3721 CCGTCCTGCC CGCAAACCTCT ACTACCTTGA CCTACGAGAC CGTGTCTGGA ACGCCGTTGG
 3781 AGACTGCAGC CTCCGCCGCC GCTTCAGCCG CTGCAGCCAC CGCCCGCGGG ATTGTGACTG
 3841 ACTTTGCTTT CCTGAGCCCG CTTGCAAGCA GTGCAGCTTC CCGTTCATCC GCCCGCGATG
 3901 ACAAGTTGAC GGCTCTTTTG GCACAATTGG ATTCTTTGAC CCGGAACTT AATGTCGTTT
 3961 CTCAGCAGCT GTTGGATCTG CGCCAGCAGG TTTCTGCCCT GAAGGCTTCC TCCCCTCCCA
 4021 ATGCGGTTTA AAACATAAAT AAAAAACCAG ACTCTGTTTG GATTGGATC AAGCAAGTG
 4081 CTTGCTGTCT TTATTTAGGG GTTTTGCGCG CGCGGTAGGC CCGGACCAG CGGTCTCGGT
 4141 CGTTGAGGGT CCTGTGTATT TTTCCAGGA CGTGGTAAAG GTGACTCTGG ATGTTTCAGAT
 4201 ACATGGGCAT AAGCCCGTCT CTGGGGTGGG GGTAGCACC CTGCAGAGCT TCATGCTGCG
 4261 GGGTGGTGTT GTAGATGATC CAGTCGTAGC AGGAGCGCTG GCGGTGGTGC CTAAAAATGT
 4321 CTTTCAGTAG CAAGCTGATT GCCAGGGGCA GGCCCTTGGT GTAAGTGTTC ACAAAGCGGT
 4381 TAAGCTGGGA TGGGTGCATA CGTGGGGATA TGAGATGCAT CTTGGACTGT ATTTTLAGGT
 4441 TGGCTATGTT CCCAGCCATA TCCCTCCGGG GATTTCATGT GTGCAGAAC ACCAGCACAG
 4501 TGTATCCGGT GCACTTGGGA AATTGTGCAT GTAGCTTAGA AGGAAATGCG TGGAAGAACT
 4561 TGGAGACGCC CTTGTGACCT CCAAGATTTT CCATGCATTC GTCCATAATG ATGGCAATGG
 4621 GCCACGGGGC GGCGGCCTGG GCGAAGATAT TTCTGGGATC ACTAACGTCA TAGTGTGTT
 4681 CCAGGATGAG ATCGTCATAG GCCATTTTTA CAAAGCGCGG GCGGAGGGTG CCAGACTGCG
 4741 GTATAATGGT TCCATCCGGC CCAGGGCGCT AGTTACCCTC ACAGATTTGC ATTTCCACAG
 4801 CTTTGAGTTC AGATGGGGG ATCATGTCTA CTGCGGGGC GATGAAGAAA ACGGTTTCCG
 4861 GGGTAGGGGA GATCAGCTGG GAAGAAAGCA GGTTCCTGAG CAGCTGCGAC TTACCGCAGC
 4921 CGGTGGGCCC GTAAATCACA CCTATTACCG GGTGCAACTG GTAGTTAAGA GAGCTGCAGC
 4981 TGCCGTCATC CCTGAGCAGG GGGGCCACTT CGTTAAGCAT GTCCCTGACT CGCATGTTTT
 5041 CCCTGACCAA ATCCGCCAGA AGGCGCTCGC CGCCAGCGA TAGCAGTTCT TGCAAGGAAG
 5101 CAAAGTTTTT CAACGGTTTG AGACCGTCCG CCGTAGGCAT GCTTTTGAGC GTTTGACCAA
 5161 GCAGTCCAG GCGGTCCAC AGCTCGGTCA CTTGCTCTAC GGCATCTCGA TCCAGCATAT
 5221 CTCTCGTTT CGCGGGTTGG GGCGGCTTTC GCTGTACGGC AGTAGTCGGT GCTCGTCCAG
 5281 ACGGGCCAGG GTCATGTCTT TCCACGGGCG CAGGGTCCTC GTCAGCGTAG TCTGGGTAC
 5341 GGTGAAGGGG TGCGCTCCGG GCTCGCGCTG GGCCAGGGTG CGCTTGAGGC TGGTCTGCT
 5401 GGTGCTGAAG CGCTGCCGGT CTTCCGCCCTG CGCGTCCGCC AGGTAGCATT TGACCATGGT
 5461 GTCATAGTCC AGCCCTCCG CGGCGTGGCC CTTGGCGCGC AGCTTGCCCT TGGAGGAGGC
 5521 GCCGCACGAG GGGCAGTGCA GACTTTTGAG GCGGTAGAGC TTGGGCGCGA GAAATACCGA
 5581 TTCCGGGGAG TAGGCATCCG CGCCGAGGC CCCGACAGC GTCTCGCATT CCACGAGCCA
 5641 GGTGAGCTCT GGCGGTCCG GGTCAAAAAC CAGGTTTCCC CCATGCTTTT TGATGCGTTT
 5701 CTTACCTCTG GTTTCCATGA GCCGGTGTCC ACGCTCGGTG ACGAAAAGGC TGTCCGTGTC
 5761 CCCGTATACA GACTTGAGAG GCCTGTCCTC GAGCGGTGTT CCGCGGTCTC CCTCGTATAG
 5821 AAACCTCGAC CACTCTGAGA CAAAGGCTCG CGTCCAGGCC AGCACGAAG AGCTAAGTG
 5881 GGAGGGGTAG CGGTCTGTGT CCACTAGGGG GTCCACTCGC TCCAGGGTGT GAAGACACAT
 5941 TCGCCCTCT TCGGCATCAA GGAAGGTGAT TGGTTTGTAG GTGTAGGCCA CGTGACCGGG
 6001 GTTTCCTGAA GGGGGGCTAT AAAAGGGGGT GGGGGCGCGT TCGTCTCAC TCTCTCCCGC
 6061 ATCGCTGTCT GCGAGGGCCA GCTGTTGGGG TGAGTACTCC CTCTGAAAAG CCGGCATGAC

FIGURE 21
(SHEET 2)

6121 TTCTGCGCTA AGATTGTCAG TTTCCAAAAA CGAGGAGGAT TTGATATTCA CCTGGCCCCG
6181 GGTGATGCCCT TTGAGGGTGG CCGCATCCAT CTGGTCAGAA AAGACAATCT TTTTGTGTGTC
6241 AAGCTTGGTG GCAAACGACC CGTAGAGGGC GTTGACAGC AACTTGGCGA TGGAGCGCAG
6301 GGTTTGGTTT TTGTCGCGAT CGGCGCGCTC CTTGGCCGCG ATGTTTAGCT GCACGTATTC
6361 GCGCGCAACG CACCGCCATT CGGGAAAGAC GGTGGTGC GC TCGTCGGGCA CCAGGTGCAC
6421 GCGCCAACCG CGGTTGTGCA GGGTGACAAG GTCAACGCTG GTGGCTACCT CTCCGCGTAG
6481 GCGCTCGTTG GTCCAGCAGA GCGGCGCGCC CTTGCGCGAG CAGAATGGCG GTAGGGGGTTC
6541 TAGCTGCGTC TCGTCCGGGG GGTCTGCGTC CACGGTAAAG ACCCCGGGCA GCAGGCGCGC
6601 GTCGAAGTAG TCTATCTTGC ATCCTTGCAA GTCTAGCGCC TGCTGCCATG CGCGGGCGGC
6661 AAGCGCGCGC TCGTATGGGT TGAGTGGGGG ACCCATGGC ATGGGGTGGG TGAGCGCGGA
6721 GGCGTACATG CCGCAAATGT CGTAAACGTA GAGGGGCTCT CTGAGTATTC CAAGATATGT
6781 AGGGTAGCAT CTTCCACCGC GGATGCTGGC GCGCACGTAA TCGTATAGTT CGTGCGAGGG
6841 AGCGAGGAGG TCGGGACCGA GGTGCTACG GCGGGGCTGC TCTGCTCGGA AGACTATCTG
6901 CCTGAAGATG GCATGTGAGT TGGATGATAT GGTGACGC TGAAGACGT TGAAGCTGGC
6961 GTCTGTGAGA CCTACCGCGT CACGCACGAA GGAGGCGTAG GAGTCGCGCA GCTTGTGAC
7021 CAGCTCGGCG GTGACCTGCA CGTCTAGGGC GCAGTAGTCC AGGGTTTCTT TGATGATGTC
7081 ATACTTATCC TGTCCCTTTT TTTTCCACAG CTCGCGGTTG AGGACAAACT CTTGCGGGTC
7141 TTTCCAGTAC TCTTGATCG GAAACCCGTC GGCCTCCGAA CGGTAAGAGC CTAGCATGTA
7201 GAACTGGTTG ACGGCCTGGT AGGCGCAGCA TCCCTTTTCT ACGGGTAGCG CGTATGCCTG
7261 CGCGGCCTTC CGGAGCGAGG TGTGGGTGAG CGCAAAGGTG TCCCTGACCA TGACTTTGAG
7321 GTACTGGTAT TTGAAGTCAG TGTCGTCGCA TCCGCCCTGC TCCAGAGCA AAAATCCGT
7381 GCGCTTTTGG GAACGCGGAT TTGGCAGGGC GAAGGTGACA TCGTTGAAGA GTATCTTTCC
7441 CGCGCGAGGC ATAAAGTTGC GTGTGATGCG AAAGGGTCCC GGCACCTCGG AACGGTTGTT
7501 AATTACCTGG GCGGCGAGCA CGATCTCGTC AAAGCCGTTG ATGTTGTGGC CCACAATGTA
7561 AAGTTCCAAG AAGCGCGGGA TGCCCTTGAT GGAAGGCAAT TTTTAAAGTT CCTCGTAGGT
7621 GAGCTCTTCA GGGGAGCTGA GCCCGTGCTC TGAAAGGGCC CAGTCTGCAA GATGAGGGTT
7681 GGAAGCGACG AATGAGCTCC ACAGGTCACG GGCCATTAGC ATTTGCAGGT GGTGCGGAAA
7741 GGTCTTAAAC TGGCGACCTA TGGCCATTTT TTCTGGGGTG ATGCAGTAGA AGGTAAGCGG
7801 GTCTTGTTCC CAGCGGTCCC ATCCAAGGTT CGCGGCTAGG TCTCGCGCGG CAGTCACTAG
7861 AGGCTCATCT CCGCCGAAC TATGACCAG CATGAAGGGC ACGAGCTGCT TCCCAAAGGC
7921 CCCCATCCAA GTATAGGTCT CTACATCGTA GGTGACAAAG AGACGCTCGG TCGGAGGATG
7981 CGAGCCGATC GGGAAGAACT GGATCTCCCG CCACCAATTG GAGGAGTGCG TATTGATGTG
8041 GTGAAAGTAG AAGTCCCTGC GACGGGCCGA ACACTCGTGC TGGCTTTTGT AAAAAGCTGC
8101 GCAGTACTGG CAGCGGTGCA CGGGCTGTAC ATCTGACAG AGGTTGACCT GACGACCGCG
8161 CACAAGGAAG CAGAGTGGA ATTGAGCCC CTCGCCGTTG GGGTTTGGCT GGTGGTCTTC
8221 TACTTCGGCT GCTTGTCTT GACCGTCTGG CTGCTCGAGG GGAGTTACGG TGGATCGGAC
8281 CACCACGCCG CGCGAGCCCA AAGTCCAGAT GTCCGCGCGC GGCGGTGCGA GCTTGATGAC
8341 AACATCGCGC AGATGGGAGC TGTCATGGT CTGGAGCTCC CGCGGCGTCA GGTCAGGCGG
8401 GAGCTCCTGC AGGTTTACCT CGCATAGACG GGTGAGGGCG CGGGCTAGAT CCAGGTGATA
8461 CCTAATTTCC AGGGGCTGGT TGGTGGCGGC GTGATGGCT TGCAAGAGGC CGCATCCCCG
8521 CGGCGCGACT ACGGTACCGC GCGGCGGGCG GTGGGCCGCG GGGGTGTCCT TGGATGATGC
8581 ATCTAAAAGC GGTGACGCGG GCGAGCCCCG GGAGGTAGGG GGGGCTCCGG ACCCGCGGGG
8641 AGAGGGGGCA GGGGCACGTC GGCGCCGCGC GCGGGCAGGA GCTGGTGCTG CGCGCGTAGG
8701 TTGCTGGCCA ACGCGACGAC GCGGCGGTTG ATCTCCTGAA GAGAGTTGCA CAGAATCAAT TTCGGTGTGC
8761 ACGACGGGCG CCGTGAGCTT GAGCCTGAAA GAGAGTTGCA CAGAATCAAT TTCGGTGTGC
8821 TTGACGGCGG CCTGGCGCAA AATCTCCTGC ACGTCTCCTG AGTTGTCTTG ATAGGCGATC
8881 TCGGCCATGA ACTGCTCGAT CTCTTCTCTC TGGAGATCTC CGCGTCCGGC TCGCTCCACG
8941 GTGGCGGCGA GGTGCTTGGA AATGCGGGCC ATGAGCTGCG AGAAGGCGTT GAGGCTCCC
9001 TCGTTCCAGA CGCGGCTGTA GACCACGCCC CTTTCCGGCAT CGCGGGCGCG CATGACCACC
9061 TGCGCGAGAT TGAGCTCCAC GTGCCGGGCG AAGACGGCGT AGTTTCGAG GCGCTGAAAG
9121 AGGTAGTTGA GGGTGGTGGC GGTGTGTTCT GCCACGAAGA AGTACATAAC CCAGCGTCGC
9181 AACGTGGATT CGTTGATATC CCCCAGGCC TCAAGGCGCT CCATGGCCTC GTAGAAGTCC
9241 ACGGCGAAGT TGAAAACTG GGAGTTGCGC GCCGACACGG TTAATCCTC CTCCAGAAGA
9301 CGGATGAGCT CGGCGACAGT GTCGCGCACC TCCGCTCAA AGGCTACAGG GGCCTCTTCT
9361 TCTTCTTCAA TCTCCTTTC CATAAGGGCC TCCCTTCTT CTTCTTCTGG CGGCGGTGGG
9421 GGAGGGGGGA CACGGCGGCG ACGACGCGC ACCGGGAGGC GGTGACAAA GCGCTCGATC
9481 ATCTCCCCGC GCGACGGCG CATGGTCTCG GTGACGGCGC GGCCGTCTC GCGGGGGCGC

FIGURE 21
(SHEET 3)

9541 AGTTGGAAGA CGCCGCCCGT CATGTCCCGG TTATGGGTTG GCGGGGGGGCT GCCATGCGGC
 9601 AGGGATACGG CGCTAACGAT GCATCTCAAC AATTGTTGTG TAGGTACTCC GCCGCCGAGG
 9661 GACCTGAGCG AGTCCGCATC GACCCGATCG GAAAACCTCT CGAGAAAGGC GTCTAACCA
 9721 TCACAGTCGC AAGGTAGGCT GAGCACCCTG GCGGGCGGCA GCGGGCGGCG GTCGGGGTTG
 9781 TTTCTGGCGG AGGTGCTGCT GATGATGTAA TTAAAGTAGG CGGTCTTGAG ACGGCGGATG
 9841 GTCGACAGAA GCACCATGTC CTTGGGTCCG GCCTGCTGAA TGCAGAGCG GTCGGCCATG
 9901 CCCCAGGCTT CGTTTTGACA TCGGCGCAGG TCTTTGTAGT AGTCTTGATG GAGCCTTTCT
 9961 ACCGGCACTT CTTCTTCTCC TTCCTCTTGT CCTGCATCTC TTGCATCTAT CGCTGCGGCG
 10021 GCGGCGGAGT TTGGCCGTAG GTGGCGCCCT CTTCCTCCCA TGCCTGTGAC CCCGAAGCCC
 10081 CTCATCGGCT GAAGCAGGGC TAGGTGCGCG ACAACGCGCT CGGCTAATAT GGCCTGCTGC
 10141 ACCTGCGTGA GGGTAGACTG GAAGTCATCC ATGTCCACAA AGCGGTGGTA TGCGCCCGTG
 10201 TTGATGGTGT AAGTGCAGTT GGCCATAACG GACCAGTTAA CGGTCTGGTG ACCCGGCTGC
 10261 GAGAGCTCGG TGTACCTGAG ACGCGAGTAA GCCCTCGAGT CAAATACGTA GTCGTGCAA
 10321 GTCCGCACCA GGTACTGGTA TCCCACCAA AAGTGCAGCG GCGGTGCGCG GCGAGGGGCG
 10381 CAGCGTAGGG TGGCCGGGCG TCCGGCGGCG AGATCTTCCA ACATAAGGCG ATGATATCCG
 10441 TGAGCTGACC TGGACATCCA GGTGATGCCG GCGGCGGTGG TGGAGGCGCG CGGAAAGTCG
 10501 CCGACGCGGT TCCAGATGTT GCGCAGCGGC AAAAAGTGCT CCATGGTCGG GACGCTCTGG
 10561 CCGGTCAGGC GCGCGCAATC GTTGACGCTC TAGACCGTGC AAAAGGAGAG CCTGTAAGCG
 10621 GGCACTCTTC CGTGGTCTGG TGGATAAATT CGCAAGGGTA TCATGGCGGA CGACCGGGGT
 10681 TCGAGCCCCG TATCCGGCCG TCCGCCGTGA TCCATGCGGT TACCGCCCCG GTGTCGAACC
 10741 CAGGTGTGCG ACGTCAGACA ACGGGGGAGT GCTCCTTTTG GCTTCCTTCC AGGCGCGGCG
 10801 GCTGCTGCGC TAGCTTTTTT GGCCACTGGC CGCGCGCAGC GTAAGCGGTT AGGCTGAAAA
 10861 GCGAAAGCAT TAAGTGGCTC GCTCCCTGTA GCCGGAGGGT TATTTTCCAA GGGTTGAGTC
 10921 GCGGGACCCC CGGTTTCGAGT CTCGGACCGG CCGGACTGCG GCGAACGGGG CTTTGCCCTC
 10981 CCGTCATGCA AGACCCCGCT TGCAAATTCC TCCGGAAACA GGGACGAGCC GTTTTTTTGC
 11041 TTTTCCCAGA TGCATCCGGT GCTGCGGCAG ATGCGCCCCC CTCCTCAGCA GCGGCAAGAG
 11101 CAAGAGCAGC GGCAGACATG CAGGGCACCC TCCCCTCCTC CTACCGCGTC AGGAGGGGCG
 11161 ACATCCGCGG TTGACGCGGC AGCAGATGGT GATTACGAAC CCCCAGCGCG CCGGGCCCCG
 11221 CACTACCTGG ACTTGAGGA GGGCGAGGGC CTGGCGCGGC TAGGAGCGCC CTCTCCTGAG
 11281 CGGTACCCAA GGGTGCAGCT GAAGCGTGAT ACGCGTGAGG CGTACGTGCC GCGGCAGAAC
 11341 CTGTTTCGCG ACCGCGAGGG AGAGGAGCCC GAGGAGATGC GGGATCGAAA GTTCCACGCA
 11401 GGGCGCGAGC TCGGCGATGG CCTGAATCGC GAGCGGTTGC TCGCGAGGA GGAATTTGAG
 11461 CCCGACGCGC GAACCGGGAT TAGTCCCGCG CGCGCACACG TGGCGGCGCG CGACCTGGTA
 11521 ACCGCATACG AGCAGACGGT GAACCAGGAG ATTAACCTTC AAAAAAGCTT TAACAACCAC
 11581 GTGCGTACGC TTGTGGCGCG CGAGGAGGTG GCTATAGGAC TGATGCATCT TGCGGACTTT
 11641 GTAAGCGCGC TGGAGCAAAA CCCAAATAGC AAGCCGCTCA TGGCGCAGCT GTTCCTTATA
 11701 GTGAGCACA GCAGGGACAA CGAGGCATTC AGGGATGCGC TGCTAAACAT AGTAGAGCCC
 11761 GAGGGCCGCT GGCTGCTCGA TTGATATAAC ATCCTGCAGA GCATAGTGGT GCAGGAGCGC
 11821 AGCTTGAGCC TGGCTGACAA GGTGGCCGCC ATCAACTATT CCATGCTTAG CCTGGGCAAG
 11881 TTTTACGCCC GCAAGATATA CCATACCCCT TACGTTCCCA TAGACAAGGA GGTAAGATC
 11941 GAGGGGTTCT ACATGCGCAT GCGGCTGAAG GTGCTTACCT TGAGCGACGA CCTGGGCGTT
 12001 TATCGCAACG AGCGCATCCA CAAGGCCGTG AGCGTGAGCC GGCGGCGCGA GCTCAGCGAC
 12061 CGCGAGCTGA TGCACAGCCT GCAAAGGGCC CTGGCTGGCA CCGGCGAGCG CGATAGAGAG
 12121 GCCGAGTCCT ACTTTGACGC GGGCGCTGAC CTGCGCTGGG CCCCAGGCC ACGCGCCCTG
 12181 GAGGCAGCTG GGGCCGGACC TGGGCTGGCG GTGGCACCCG CGCGCGCTGG CAACGTCGGC
 12241 GGCGTGAGG AATATGACGA GGACGATGAG TACGAGCCAG AGGACGGCGA GTACTAAGCG
 12301 GTGATGTTTC TGATCAGATG ATGCAAGACG CAACGGACCC GGCGGTGCGG GCGGCGCTGC
 12361 AGAGCCAGCC GTCCGGCCCTT AACTCCACGG ACGACTGGCG CCAGGTCATG GACCGCATCA
 12421 TGTCGCTGAC TCGCGCAAT CCTGACGCGT TCCGGCAGCA GCCGAGGCC AACC GGCTCT
 12481 CCGCAATTCT GGAAGCGGTG GTCCCGGCGC GCGCAAACCC CACGCACGAG AAGGTGCTGG
 12541 CGATCGTAAA CGCGCTGGCC GAAAACAGGG CCATCCGGCC CGACGAGGCC GGCTGGTCT
 12601 ACGACGCGCT GCTTCAGCGC GTGGCTCGTT ACAACAGCGG CAACGTGAG ACCAACCTGG
 12661 ACCGGCTGGT GGGGGATGTG CGCGAGGCCG TGGCGCAGCG TGAGCGCGCG CAGCAGCAGG
 12721 GCAACCTGGG CTCCATGGTT GCACTAAACG CCTTCCTGAG TACACAGCCC GCAACGCTGC
 12781 CGCGGGGACA GGAGGACTAC ACCAACTTTG TGAGCGCACT GCGGCTAATG GTGACTGAGA
 12841 CACCGCAAAG TGAGGTGTAC CAGTCTGGGC CAGACTATTT TTTCCAGACC AGTAGACAAG
 12901 GCCTGCAGAC CGTAAACCTG AGCCAGGCTT TCAAAACTT GCAGGGGCTG TGGGGGGTGC

FIGURE 21
(SHEET 4)

12961	GGGCTCCAC	AGGCGACCGC	GCGACCGTGT	CTAGCTTGCT	GACGCCAAC	TCGCGCCTGT
13021	TGCTGCTGCT	AATAGCGCCC	TTCACGGACA	GTGGCAGCGT	GTCCCGGGAC	ACATACCTAG
13081	GTCACCTGCT	GACACTGTAC	CGCGAGGCCA	TAGGTCAGGC	GCATGTGGAC	GAGCATACTT
13141	TCCAGGAGAT	TACAAGTGTC	AGCCGCGCGC	TGGGGCAGGA	GGACACGGGC	AGCCTGGAGG
13201	CAACCCTAAA	CTACCTGCTG	ACCAACCGGC	GGCAGAAAT	CCCCTCGTTG	CACAGTTTAA
13261	ACAGCGAGGA	GGAGCGCATT	TTGCGCTACG	TGCAGCAGAG	CGTGAGCCTT	AACCTGATGC
13321	GCGACGGGGT	AACGCCCAGC	GTGGCGCTGG	ACATGACCGC	GCGCAACATG	GAACCGGGCA
13381	TGTATGCCTC	AAACCGGCCG	TTTATCAACC	GCCTAATGGA	CTACTTGAT	CGCGCGCCG
13441	CCGTGAACCC	CGAGTATTTT	ACCAATGCCA	TCTTGAACCC	GCACTGGCTA	CCGCCCCCTG
13501	GTTTCTACAC	CGGGGGATTG	GAGGTGCCCG	AGGGTAACGA	TGGATTCTCT	TGGGACGACA
13561	TAGACGACAG	CGTGTTTTCC	CCGCAACCGC	AGACCCTGCT	AGAGTTGCAA	CAGCGCGAGC
13621	AGGCAGAGGC	GGCGCTGCGA	AAGGAAAGCT	TCCGCAGGCC	AAGCAGCTTG	TCCGATCTAG
13681	GCGCTGCGGC	CCCGCGGTCA	GATGCTAGTA	GCCCATTTCC	AAGCTTGATA	GGGTCTCTTA
13741	CCAGCACTCG	CACCACCCGC	CCGCGCCTGC	TGGGCGAGGA	GGAGTACCTA	AACAACTCGC
13801	TGCTGCAGCC	GCAGCGCGAA	AAAAACCTGC	CTCCGGCATT	TCCCAACAAC	GGGATAGAGA
13861	CCCTAGTGA	CAAGATGAGT	AGATGGAAGA	CGTACGCGCA	GGAGCACAGG	GACGTGCCAG
13921	GCCCGCGCCC	GCCCACCCGT	CGTCAAAGGC	ACGACCGTCA	GCGGGGTCTG	GTGTGGGAGG
13981	ACGATGACTC	GGCAGACGAC	AGCAGCTGCC	TGGATTGGGG	AGGGAGTGGG	AACCCGTTTG
14041	CGCACCTTCG	CCCCAGGCTG	GGGAGAATGT	TTTAAAAAAA	AAAAAGCATG	ATGCAAAATA
14101	AAAAACTCAC	CAAGGCCATG	GCACCGAGCG	TTGGTTTTCT	TGTATTCCCC	TTAGTATGCG
14161	GCGCGCGGCG	ATGTATGAGG	AAGGTCCTCC	TCCCTCCTAC	GAGAGTGTGG	TGAGCGCGGC
14221	GCCAGTGGCG	GCGGCGCTGG	GTTCTCCCTT	CGATGCTCCC	CTGGACCCGC	CGTTTGTGCC
14281	TCCGCGGTAC	CTGCGGCCTA	CCGGGGGGAG	AAACAGCATC	CGTTACTCTG	AGTTGGCACC
14341	CCTATTCGAC	ACCACCCGTG	TGTACCTGGT	GGACAACAAG	TCAACGGATG	TGGCATCCCT
14401	GAACCTACCAG	AACGACCACA	GCAACTTTCT	GACCACGGTC	ATTCAAAACA	ATGACTACAG
14461	CCCGGGGGAG	GCAAGCACAC	AGACCATCAA	TCTTGACGAC	CGGTGCGACT	GGGGCGGCGA
14521	CCTGAAAACC	ATCCTGCATA	CCAACATGCC	AAATGTGAAC	GAGTTCATGT	TTACCAATAA
14581	GTTTAAGGCG	CGGGTGATGG	TGTCGCGCTT	GCCTACTAAG	GACAATCAGG	TGGAGCTGAA
14641	ATACGAGTGG	GTGGAGTTCA	CGCTGCCCCG	GGGCAACTAC	TCCGAGACCA	TGACCATAGA
14701	CCTTATGAAC	AACGCGATCG	TGGAGCACTA	CTTGAAAGTG	GGCAGACAGA	ACGGGGTTCT
14761	GGAAAGCGAC	ATCGGGGTAA	AGTTTGACAC	CCGCAACTTC	AGACTGGGGT	TTGACCCCGT
14821	CACTGGTCTT	GTCATGCCTG	GGGTATATAC	AAACGAAGCC	TTCCATCCAG	ACATCATTTT
14881	GCTGCCAGGA	TGCGGGGTGG	ACTTCACCCA	CAGCCGCCTG	AGCAACTTGT	TGGGCATCCG
14941	CAAGCGGCAA	CCCTTCCAGG	AGGGCTTTAG	GATCACCTAC	GATGATCTGG	AGGGTGGTAA
15001	CATTCCCGCA	CTGTTGGATG	TGGACGCCCTA	CCAGGCGAGC	TTGAAAGATG	ACACCGAACA
15061	GGCGGGGGGT	GGCGCAGGCG	GCAGCAACAG	CAGTGGCAGC	GGCGCGGAAG	AGAACTCCAA
15121	CGCGGCAGCC	GCGCAATGCG	AGCCGGTGGA	GGACATGAAC	GATCATGCCA	TTGCGGGCGA
15181	CACCTTTGCC	ACACGGGCTG	AGGAGAAGCG	CGCTGAGGCC	GAAGCAGCGG	CCGAAGCTGC
15241	CGCCCCCGCT	GCGCAACCCG	AGGTGAGAGG	GCCTCAGAAG	AAACCGGTGA	AAACACCCCT
15301	GACAGAGGAC	AGCAAGAAAC	GCAGTTACAA	CCTAATAAGC	AATGACAGCA	CCTTCACCCA
15361	GTACCGCAGC	TGGTACCTTG	CATACAACCTA	CGGCGACCCT	CAGACCGGAA	TCCGCTCATG
15421	GACCCTGCTT	TGCACTCCTG	ACGTAACCTG	CGGCTCGGAG	CAGGTCTACT	GGTCGTTGCC
15481	AGACATGATG	CAAGACCCCG	TGACCTTCCG	CTCCACGCGC	CAGATCAGCA	ACTTTCGGGT
15541	GGTGGGCGCC	GAGCTGTTGC	CCGTGCACTC	CAAGAGCTTC	TACAACGACC	AGGCCGTCTA
15601	CTCCCAACTC	ATCCGCCAGT	TTACCTCTCT	GACCCACGTG	TTCAATCGCT	TTCCCGAGAA
15661	CCAGATTTTG	GCGCGCCCGC	CAGCCCCCAC	CATCACCACC	GTCAGTGAAA	ACGTTCTCTG
15721	TCTCACAGAT	CACGGGACGC	TACCGCTGCG	CAACAGCATC	GGAGGAGTCC	AGCGAGTGAC
15781	CATTACTGAC	GCCAGACGCC	GCACCTGCCC	CTACGTTTAC	AAGGCCCTGG	GCATAGTCTC
15841	GCCGCGCGTC	CTATCGAGCC	GCACTTTTTG	AGCAAGCATG	TCCATCCTTA	TATCGCCCAG
15901	CAATAACACA	GGCTGGGGCC	TGCGCTTCCC	AAGCAAGATG	TTTGGCGGGG	CCAAGAAGCG
15961	CTCCGACCAA	CACCCAGTGC	GCGTGCGCGG	GCACTACCGC	GCGCCCTGGG	GCGCGCACAA
16021	ACGCGGCCGC	ACTGGGCGCA	CCACCGTCGA	TGACGCCATC	GACGCGGTGG	TGGAGGAGGC
16081	GCGCAACTAC	ACGCCCACGC	CGCCACCAGT	GTCCACAGTG	GACGCGGCCA	TTCAGACCGT
16141	GGTGCGCGGA	CGCCGGCGCT	ATGCTAAAAT	GAAGAGACGG	CGGAGGCGCG	TAGCACGTGC
16201	CCACCGCCGC	CGACCCGGCA	CTGCCCGCCA	ACGCGCGGCG	GCGGCCCTGC	TTAACCGCGC
16261	ACGTGCGACC	GGCCGACGGG	CGGCCATGCG	GGCCGCTCGA	AGGCTGGCCG	CGGGTATTGT
16321	CACTGTGCCC	CCCAGGTCCA	GGCGACGAGC	GGCCGCCGCA	GCAGCCGCGG	CCATTAGTGC

FIGURE 21
(SHEET 5)

16381 TATGACTCAG GGTCGCAGGG GCAACGTGTA TTGGGTGCGC GACTCGGTGA GCGGCCCTGCG
16441 CGTGCCCGTG CGCACCCGCC CCCCGCGCAA CTAGATTGCA AGAAAAAACT ACTTAGACTC
16501 GTACTGTTGT ATGTATCCAG CGGCGGCGGC GCGCAACGAA GCTATGTCCA AGCGCAAAAT
16561 CAAAGAAGAG ATGCTCCAGG TCATCGCGCC GGAGATCTAT GGCCCCCGA AGAAGGAAGA
16621 GCAGGATTAC AAGCCCCGAA AGCTAAAGCG GGTCAAAAAG AAAAGAAAG ATGATGATGA
16681 TGAACCTGAC GACGAGGTGG AACTGCTGCA CGCTACCGCG CCCAGGCGAC GGGTACAGTG
16741 GAAAGGTCGA CGCGTAAAC GTGTTTTGCG ACCCGGCACC ACCGTAGTCT TTACGCCCGG
16801 TGAGCGCTCC ACCCGCACCT ACAAGCGCGT GTATGATGAG GTGTACGGCG ACGAGGACCT
16861 GCTTGAGCAG GCCAACGAGC GCCTCGGGGA GTTTGCCTAC GGAAAGCGG ATAAGGACAT
16921 GCTGGCGTTG CCGCTGGACG AGGGCAACCC AACACCTAGC CTAAAGCCCG TAACACTGCA
16981 GCAGGTGCTG CCCCGCGTTG CACCGTCCGA AGAAAAGCGC GGCCTAAAGC GCGAGTCTGG
17041 TGACTTGGA CCCACCGTGC AGCTGATGGT ACCCAAGCGC CAGCGACTGG AAGATGTCTT
17101 GGAAAAAATG ACCGTGGAAC CTGGGCTGGA CCCCAGGTC CGCGTGCGG CAATCAAGCA
17161 GGTGGCGCGG GGAAGGCGG TGCAGACCGT GGACGTTTCA ATACCCACTA CCAGTAGCAC
17221 CAGTATTGCC ACCGCCACAG AGGGCATGGA GACACAAACG TCCCCGGTTG CCTCAGCGGT
17281 GCGGATGCC CGGGTGACG CGGTGCTGCG GGCCGCGTCC AAGACCTCTA CGGAGGTGCA
17341 AACGGACCCG TGGATGTTTC GCGTTTCAGC CCCCAGGCGC CCGCGCGGTT CGAGGAAGTA
17401 CCGCGCGGCC AGCGCGCTAC TGCCCGAATA TGCCCTACAT CCTTCCATTG CGCCTACCCC
17461 CGGCTATCGT GGCTACACCT ACCGCCCCAG AAGACGAGCA ACTACCCGAC GCCGAACCAC
17521 CACTGGAACC CGCCGCGGCC GTCGCGCTCG CCAGCCCGTG CTGGCCCCGA TTTCCGTGCG
17581 CAGGGTGGCT CGCGAAGGAG GCAGGACCCT GGTGCTGCCA ACAGCGCGT ACCACCCAG
17641 CATCGTTTAA AAGCCGGTCT TTGTGGTTCT TGCAGATATG GCCCTCACCT GCCGCTCCG
17701 TTTCCCGGTG CCGGGATTCC GAGGAAGAAT GCACCGTAGG AGGGGCATGG CCGGCCACGG
17761 CCTGACGGGC GGCATGCGTC GTGCGCACA CCGCGGCGG CGCGGTCGC ACCGTGCGAT
17821 GCGCGGCGGT ATCCTGCCCC TCCTTATTCC ACTGATCGCC GCGGCGATTG GCGCCGTGCC
17881 CGGAATTGCA TCCGTGGCCT TGCAGGCGCA GAGACACTGA TTAAAAACAA GTTGATGTG
17941 GAAAAATCAA AATAAAAAGT CTGGACTCTC ACGCTCGCTT GGTCCTGTAA CTATTTTGTA
18001 GAATGGAAGA CATCAACTTT GCGTCTCTGG CCCCAGACA CCGCTCGCGC CCGTTCATGG
18061 GAAACTGGCA AGATATCGGC ACCAGCAATA TGAGCGGTGG CGCCTTCAGC TGGGGCTCGC
18121 TGTGGAGCGG CATTAAAAAT TTCGGTTCCA CCGTTAAGAA CTATGGCAGC AAGGCCCTGA
18181 ACAGCAGCAC AGGCCAGATG CTGAGGGATA AGTTGAAAGA GCAAAATTC CAACAAAAG
18241 TGGTAGATGG CCTGGCCTCT GGCATTAGCG GGTGGTGGGA CCTGGCCAAC CAGGCAGTGC
18301 AAAATAAGAT TAACAGTAAG CTTGATCCCC GCCCTCCCGT AGAGGAGCCT CCACCGGCCG
18361 TGGAGACAGT GTCTCCAGAG GGGCGTGGCG AAAAGCGTCC GCGCCCCGAC AGGGAAGAAA
18421 CTCTGGTGAC GCAAATAGAC GAGCCTCCCT CGTACGAGGA GGCATAAAG CAAGGCCTGC
18481 CCACACCCG TCCCATCGCG CCCATGGCTA CCGGAGTGCT GGGCCAGCAC ACACCCGTAA
18541 CGCTGGACCT GCCTCCCCC GCGACACCC AGCAGAAACC TGTGCTGCCA GGCCCCACCG
18601 CCGTTGTTGT AACCCGTCCT AGCCGCGCGT CCCTGCGCCG CGCCGCCAGC GGTCCGCGAT
18661 CGTTGCGGCC CGTAGCCAGT GGCAACTGGC AAAGCACACT GAACAGCATC GTGGGTCTGG
18721 GGGTGCAATC CCTGAAGCGC CGACGATGCT TCTGAATAGC TAACGTGTG TATGTGTGTC
18781 ATGTATGCGT CCATGTCGCC GCCAGAGGAG CTGCTGAGCC GCCGCGCGCC CGCTTTCCAA
18841 GATGGCTACC CCTTCGATGA TGCCGAGTG GTCTTACATG CACATCTCGG GCCAGGACGC
18901 CTCGGAGTAC CTGAGCCCCG GGCTGGTGCA GTTTGCCCGC GCCACCGAGA CGTACTTCAG
18961 CCTGAATAAC AAGTTTAGAA ACCCCACGGT GCGCCTACG CACGACGTGA CCACAGACCG
19021 GTCCCAGCGT TTGACGCTGC GGTTCATCCC TGTGGACCGT GAGGATACTG CGTACTCGTA
19081 CAAGGCGCGG TTCACCCTAG CTGTGGGTGA TAACCGTGTG CTGGACATGG CTTCCACGTA
19141 CTTTGACATC CGCGGCGTGC TGGACAGGGG CCCTACTTTT AAGCCCTACT CTGGCACTGC
19201 CTACAACGCC CTGGCTCCCA AGGGTGCCCC AAATCCTTGC GAATGGGATG AAGCTGCTAC
19261 TGCTCTTGAA ATAAACCTAG AAGAAGAGGA CGATGACAAC GAAGACGAAG TAGACGAGCA
19321 AGCTGAGCAG CAAAAAACTC ACGTATTGCG GCAGGCGCCT TATTCTGGTA TAAATATTAC
19381 AAAGGAGGGT ATTCAAATAG GTGTCGAAGG TCAAAACACCT AAATATGCCG ATAAACATT
19441 TCAACCTGAA CCTCAAATAG GAGAATCTCA GTGGTACGAA ACTGAAATTA ATCATGCAGC
19501 TGGGAGAGTC CTTAAAAAGA CTACCCCAAT GAAACCATGT TACGGTTTCA ATGCAAAACC
19561 CACAAATGAA AATGGAGGGC AAGGCATTCT TGTAAGCA CAAAATGGAA AGCTAGAAAG
19621 TCAAGTGGAA ATGCAATTTT TCTCAACTAC TGAGGCGACC GCAGGCAATG GTGATAACTT
19681 GACTCCTAAA GTGGTATTGT ACAGTGAAGA TGTAGATATA GAAACCCAG AACTCATAT
19741 TTCTTACATG CCCACTATTA AGGAAGGTAA CTCACGAGAA CTAATGGGCC AACATCTAT

FIGURE 21
(SHEET 6)

19801	GCCCAACAGG	CCTAATTACA	TTGCTTTT	GGACAATTTT	ATTGGTCTAA	TGTATTACAA
19861	CAGCACGGGT	AATATGGGTG	TTCTGGCGGG	CCAAGCATCG	CAGTTGAATG	CTGTTGTAGA
19921	TTTGCAAGAC	AGAAACACAG	AGCTTTCATA	CCAGCTTTTG	CTTGATTCCA	TGGTGATAG
19981	AACCAGGTAC	TTTTCTATGT	GGAATCAGGC	TGTTGACAGC	TATGATCCAG	ATGTTAGAAT
20041	TATTGAAAAT	CATGGAAGT	AAGATGAAGT	TCCAAATTAC	TGCTTTCCAC	TGGGAGGTGT
20101	GATTAATACA	GAGACTCTTA	CCAAGGTAAA	ACCTAAAACA	GGTCAGGAAA	ATGGATGGGA
20161	AAAAGATGCT	ACAGAATTTT	CAGATAAAAA	TGAAATAAGA	GTTGGAAATA	ATTTTGCCAT
20221	GGAAATCAAT	CTAAATGCCA	ACCTGTGGAG	AAATTTCTCT	TACTCCAACA	TAGCGCTGTA
20281	TTTGCCCGAC	AAGCTAAAGT	ACAGTCCTTC	CAACGTAAAA	ATTTCTGATA	ACCCAAACAC
20341	CTACGACTAC	ATGAACAAGC	GAGTGGTGGC	TCCCGGGTTA	GTGGACTGCT	ACATTAAACCT
20401	TGGAGCACCG	TGGTCCCTTG	ACTATATGGA	CAACGTCAAC	CCATTTAACC	ACCACCGCAA
20461	TGCTGGCCTG	CGCTACCGCT	CAATGTGCTG	GGGCAATGGT	CGCTATGTGC	CCTTCCACAT
20521	CCAGGTGCCT	CAGAAGTTCT	TTGCCATTAA	AAACCTCCTT	CTCCTGCCGG	CTCATACAC
20581	CTACGAGTGG	AACTTCAGGA	AGGATGTTAA	CATGGTTCTG	CAGAGCTCCC	TAGGAAATGA
20641	CCTAAGGGTT	GACGGAGCCA	GCATTAAGTT	TGATAGCATT	TGCCTTTACG	CCACCTTCTT
20701	CCCCATGGCC	CACAACACCG	CCTCCACGCT	TGAGGCCATG	CTTAGAAACG	ACACCAACGA
20761	CCAGTCCTTT	AACGACTATC	TCTCCGCCGC	CAACATGCTC	TACCCTATAC	CCGCCAACGC
20821	TACCAACGTG	CCCATATCCA	TCCCCTCCCG	CAACTGGGCG	GCTTTCCGCG	GCTGGGCCTT
20881	CACGCGCCTT	AAGACTAAGG	AAACCCCATC	ACTGGGCTCG	GGCTACGACC	CTTATTACAC
20941	CTACTCTGGC	TCTATACCCT	ACCTAGATGG	AACCTTTTAC	CTCAACCACA	CCTTTAAGAA
21001	GGTGGCCATT	ACCTTTGACT	CTTCTGTCAG	CTGGCCTGGC	AATGACCGCC	TGCTTACCCC
21061	CAACGAGTTT	GAAATTAAGC	GCTCAGTTGA	CGGGGAGGGT	TACAACGTTG	CCCAGTGTA
21121	CATGACCAAA	GACTGGTTCC	TGGTACAAAT	GCTAGCTAAC	TACAACATTG	GCTACCAGGG
21181	CTTCTATATC	CCAGAGAGCT	ACAAGGACCG	CATGTACTCC	TTCTTTAGAA	ACTTCCAGCC
21241	CATGAGCCGT	CAGGTGGTGG	ATGATACTAA	ATACAAGGAC	TACCAACAGG	TGGGCATCCT
21301	ACACCAACAC	AACAACCTCT	GATTTGTTGG	CTACCTTGCC	CCCACCATGC	GCGAAGGACA
21361	GGCCTACCCT	GCTAACTTCC	CCTATCCGCT	TATAGGCAAG	ACCGCAGTTG	ACAGCATTAC
21421	CCAGAAAAAG	TTTCTTTGCG	ATCGCACCCCT	TTGGCGCATC	CCATTCTCCA	GTAACCTTAT
21481	GTCCATGGGC	GCACTCACAG	ACCTGGGCCA	AAACCTTCTC	TACGCCAACT	CCGCCACGCG
21541	GCTAGACATG	ACTTTTGAGG	TGGATCCCAT	GGACGAGCCC	ACCCTTCTTT	ATGTTTTGTT
21601	TGAAGTCTTT	GACGTGGTCC	GTGTGCACCG	GCCGCACCGC	GGCGTCATCG	AAACCGTGTA
21661	CCTGCGCACG	CCCTTCTCGG	CCGGCAACGC	CACAACATAA	AGAAGCAAGC	AACATCAACA
21721	ACAGCTGCCG	CCATGGGCTC	CAGTGAGCAG	AACTGAAAGT	CCATTGTCAA	AGATCTGGT
21781	TGTGGGCCAT	ATTTTTTGCG	CACCTATGAC	AAGCGCTTTC	CAGGCTTTGT	TTCTCCACAC
21841	AAGCTCGCCT	GCGCCATAGT	CAATACGGCC	GGTCGCGAGA	CTGGGGGCGT	ACACTGGATG
21901	GCCTTTGCCT	GGAACCCGCA	CTCAAAAACA	TGCTACCTCT	TTGAGCCCTT	TGGCTTTTCT
21961	GACCAGCGAC	TCAAGCAGGT	TTACCAGTTT	GAGTACGAGT	CACTCCTGCG	CCGTAGCGCC
22021	ATTGCTTCTT	CCCCCGACCG	CTGTATAACG	CTGGAAAAGT	CCACCCAAAG	CGTACAGGGG
22081	CCCAACTCGG	CCGCCTGTGG	ACTATTCTGC	TGCATGTTTC	TCCACGCCTT	TGCCAACTGG
22141	CCCCAACTC	CCATGGATCA	CAACCCACAC	ATGAACCTTA	TTACCGGGGT	ACCCAACTCC
22201	ATGCTCAACA	GTCCCAGGT	ACAGCCCACC	CTGCGTCGCA	ACCAGGAACA	GCTCTACAGC
22261	TTCTTGGAGC	GCCACTCGCC	CTACTTCCGC	AGCCACAGTG	CGCAGATTAG	GAGCGCCACT
22321	TCTTTTGTG	ACTTGAAAAA	CATGTAATAA	TAAATGTACTA	GAGACACTTT	CAATAAAGGC
22381	AAATGCTTTT	ATTTGTACAC	TCTCGGGTGA	TTATTTACCC	CCACCTTGGC	CGTCTGCGCC
22441	GTTTAAAAAT	CAAAGGGGTT	CTGCCGCGCA	TGCTATGCG	CCACTGGCAG	GGACACGTTG
22501	CGATACTGGT	GTTTAGTGCT	CCACTTAAAC	TCAGGCACAA	CCATCCGCGG	CAGCTCGGTG
22561	AAGTTTTCAC	TCCACAGGCT	GCGCACCATC	ACCAACGCGT	TTAGCAGGTC	GGGCGCCGAT
22621	ATCTTGAAGT	CGCAGTTGGG	GCCTCCGCC	TGCGCGCGCG	AGTTGCGATA	CACAGGGTTG
22681	CAGCACTGGA	ACACTATCAG	CGCCGGGTGG	TGCACGCTGG	CCAGCACGCT	CTTGTCGGAG
22741	ATCAGATCCG	CGTCCAGGTC	CTCCGCGTTG	CTCAGGGCGA	ACGGAGTCAA	CTTTGGTAGC
22801	TGCCTTCCCA	AAAAGGGCGC	GTGCCCAGGC	TTTGAGTTGC	ACTCGCACCG	TAGTGGCATC
22861	AAAAGGTGAC	CGTGCCCGGT	CTGGCGGTTA	GGATACAGCG	CCTGCATAAA	AGCCTTGATC
22921	TGCTTAAAG	CCACCTGAGC	CTTTGCGCCT	TCAGAGAAGA	ACATGCCGCA	AGACTTGCCG
22981	GAAAACCTGAT	TGGCCGGACA	GGCCGCGTCG	TGCACGCAGC	ACCTTGCGTC	GGTGTGGAG
23041	ATCTGCACCA	CATTTGCGCC	CCACCGGTTT	TTCACGATCT	TGGCCTTGCT	AGACTGCTCC
23101	TTACGCGCGC	GCTGCCCGTT	TTGCTCGTCT	ACATCCATTT	CAATCACGTG	CTCCTTATTT
23161	ATCATAATGC	TTCCGTGTAG	ACACTTAAGC	TGCCTTCGA	TCTCAGCGCA	GCGGTGCAGC

FIGURE 21
(SHEET 7)

23221 CACAACGCGC AGCCCGTGGG CTCGTGATGC TTGTAGGTCA CCTCTGCAAA CGACTGCAGG
 23281 TACGCCTGCA GGAATCGCCC CATCATCGTC ACAAAGGTCT TGTTGCTGGT GAAGGTCAGC
 23341 TGCAACCCGC GGTGCTCCTC GTTCAGCCAG GTCTTGATA CGGCCGCCAG AGCTTCCACT
 23401 TGGTCAGGCA GTAGTTTGAA GTTCGCCTTT AGATCGTTAT CCACGTGGTA CTTGTCCATC
 23461 AGCGCGCGCG CAGCCTCCAT GCCCTTCTCC CACGCAGACA CGATCGGCAC ACTCAGCGGG
 23521 TTCATCACCG TAATTTCACT TTCCGCTTCG CTGGGCTCTT CCTCTTCCTC TTGCGTCCGC
 23581 ATACCACGCG CCACTGGGTC GTCTTCATTG AGCCGCCGCA CTGTGCGCTT ACCTCCTTTG
 23641 CCATGCTTGA TTAGCACCGG TGGGTTGCTG AAACCCACCA TTTGTAGCGC CACATCTTCT
 23701 CTTTCTTCCT CGCTGTCCAC GATTACCTCT GGTGATGGCG GCGCTCGGG CTTGGGAGAA
 23761 GGGCGCTTCT TTTTCTTCTT GGGCGCAATG GCCAAATCCG CCGCCGAGGT CGATGGCCCG
 23821 GGGCTGGGTG TGCGCGGCAC CAGCGCGTCT TGTGATGAGT CTTCCTCGTC CTCGGACTCG
 23881 ATACGCCGCC TCATCCGCTT TTTTGGGGGC GCCCGGGAG GCGGCGGCGA CGGGGACGGG
 23941 GACGACCGT CCTCCATGGT TGGGGGACGT CGCGCCGCAC CGCGTCCGCG CTCGGGGGTG
 24001 GTTTCGCGCT GCTCCTCTTC CCGACTGGCC ATTTCTTCTT CCTATAGGCA GAAAAAGATC
 24061 ATGGAGTCAG TCGAGAAGAA GGACAGCCTA ACCGCCCCCT CTGAGTTCGC CACCACCGCC
 24121 TCCACCGATG CCGCCAACGC GCCTACCACC TTCCCCGTCG AGGCACCCCC GCTTGAGGAG
 24181 GAGGAAGTGA TTATCGAGCA GGACCCAGGT TTTGTAAGCG AAGACGACGA GGACCGCTCA
 24241 GTACCAACAG AGGATAAAAA GCAAGACCAG GACAACGCAG AGGCAAACGA GGAACAAGTC
 24301 GGGCGGGGGG ACGAAAGGCA TGGCGACTAC CTAGATGTGG GAGACGACGT GCTGTTGAAG
 24361 CATCTGCAGC GCCAGTGCGC CATTATCTGC GACGCGTTGC AAGAGCGCAG CGATGTGCC
 24421 CTCGCCATAG CGGATGTGAG CTTTGCCCTAC GAACGCCACC TATTCTCACC GCGCGTACCC
 24481 CCCAAACGCC AAGAAAACGG CACATCGGAG CCCAACCCGC GCCTCAACTT CTACCCCGTA
 24541 TTTGCCCTGC CAGAGGTGCT TGCCACCTAT CACATCTTTT TCCAAAACGT CAAGATACCC
 24601 CTATCCTGCC GTGCCAACCG CAGCCGAGCG GACAAGCAGC TGGCCTTGCG GCAGGGCGCT
 24661 GTCATACCTG ATATCGCCTC GCTCAACGAA GTGCCAAAAA TCTTTGAGGG TCTTGAGCGC
 24721 GACGAGAAGC GCGCGGCAAA CGCTCTGCAA CAGGAAAACA GCGAAAATGA AAGTCACTCT
 24781 GGAGTGTTGG TGGAACTCGA GGGTGACAAC GCGCGCCTAG CCGTACTAAA ACGCAGCATC
 24841 GAGGTACCC ACTTTGCCTA CCCGGCACTT AACCTACCCC CCAAGGTCAT GAGCACAGTC
 24901 ATGAGTGAGC TGATCGTGCG CCGTGCGCAG CCCCTGGAGA GGGATGCAAA TTTGCAAGAA
 24961 CAAACAGAGG AGGGCCTACC CGCAGTTGGC GACGAGCAGC TAGCGCGCTG GCTTCAAACG
 25021 CGCGAGCCTG CCGACTTGGA GGAGCGACGC AAACCTAATGA TGGCCGAGT GTCGTTACC
 25081 GTGGAGCTTG AGTGATGCA GCGGTTCTTT GCTGACCCGG AGATGCGAGC CAAGCTAGAG
 25141 GAAACATTGC ACTACACCTT TCGACAGGGC TACGTACGCC AGGCCTGCAA GATCTCCAAC
 25201 GTGGAGCTCT GCAACCTGGT CTCCTACCTT GGAATTTTGC ACGAAAACCG CTTTGGGCAA
 25261 AACGTGCTTC ATTCCACGCT CAAGGGCGAG GCGCGCCGCG ACTACGTCCG CGACTGCGTT
 25321 TACTTATTTT TATGCTACAC CTGGCAGACG GCCATGGGCG TTTGGCAGCA GTGCTTGGAG
 25381 GAGTGCAACC TCAAGGAGCT GCAGAACTG CTAAAGCAA ACTTGAAGGA CCTATGGACG
 25441 GCCTTCAACG AGCGCTCCGT GGCCGCGCAC CTGGCGGACA TCATTTTCCC CGAACGCTG
 25501 CTTAAACCCC TGCAACAGGG TCTGCCAGAC TTCACCAGTC AAAGCATGTT GCAGAACTTT
 25561 AGGAACTTTA TCCTAGAGCG CTCAGGAATC TTGCCCCGCA CCTGCTGTGC ACTTCTAGC
 25621 GACTTTGTGC CCATTAAGTA CCGCGAATGC CCTCCGCCG TTTGGGGCCA TTTGCTACCTT
 25681 CTGCAGCTAG CCAACTACCT TGCCTACCAC TCTGACATAA TGGAAGACGT GAGCGGTGAC
 25741 GGTCTACTGG AGTGTCATG TCGTGCAAC CTATGCACCC CGCACCCTC CCTGGTTTGC
 25801 AATTGCGAGC TGCTTAACGA AAGTCAAATT ATCGGTACCT TTGAGCTGCA GGGTCCCTCG
 25861 CCTGACGAAA AGTCCGCGGC TCCGGGGTTG AAACCTCACTC CGGGGCTGTG GACGTGCGCT
 25921 TACCTTCGCA AATTTGTACC TGAGGACTAC CACGCCCACG AGATTAGGTT CTACGAAGAC
 25981 CAATCCCGCC CGCCAAATGC GGAGCTTACC GCCTGCGTCA TTACCCAGGG CCACATTCTT
 26041 GGCCAATTGC AAGCCATCAA CAAAGCCCGC CAAGAGTTTC TGCTACGAAA GGGACGGGGG
 26101 GTTTACTTGG ACCCCAGTC CGGCGAGGAG CTCACCCCAA TCCCCCGCC GCCGCAGCCC
 26161 TATCAGCAGC AGCCGCGGGC CCTTGCTTCC CAGGATGGCA CCCAAAAAGA AGCTGCAGCT
 26221 GCCGCGGCA CCCACGGACG AGGAGGAATA CTGGGACAGT CAGGACAGAG AGGTTTTGGA
 26281 CGAGGAGGAG GAGGACATGA TGGAAAGACT GGAGAGCCTA GACGAGGAAG CTTCCGAGGT
 26341 CGAAGAGGTG TCAGACGAAA CACCGTCACC CTCGGTCGCA TTCCCTCGC CGGCGCCCCA
 26401 GAAATCGGCA ACCGGTTCCA GCATGGCTAC AACCTCCGCT CCTCAGGCGC CGCCGGCACT
 26461 GCGCGTTGCG CGACCCAACC GTAGATGGGA CACCACTGGA ACCAGGGCCG GTAAGTCCAA
 26521 GCAGCCGCCG CCGTTAGCCC AAGAGCAACA ACAGCGCCAA GGCTACCGCT CATGGCGCGG
 26581 GCACAAGAAC GCCATAGTTG CTTGCTTGCA AGACTGTGGG GGCAACATCT CCTTCGCCCC

FIGURE 21
(SHEET 8)

26641	CCGCTTTTCTT	CTCTACCATC	ACGGCGTGGC	CTTCCCCCGT	AACATCCTGC	ATTACTACCG
26701	TCATCTCTAC	AGCCCATACT	GCACCGGCGG	CAGCGGCAGC	GGCAGCAACA	GCAGCGGCCA
26761	CACAGAAGCA	AAGGCGACCG	GATAGCAAGA	CTCTGACAAA	GCCCAAGAAA	TCCACAGCGG
26821	CGGCAGCAGC	AGGAGGAGGA	GCGCTGCGTC	TGGCGCCCAA	CGAACCCGTA	TCGACCCGCG
26881	AGCTTAGAAA	CAGGATTTTT	CCCCTCTGT	ATGCTATATT	TCAACAGAGC	AGGGGCCAAG
26941	AACAAGAGCT	GAAAATAAAA	AACAGGTCTC	TGCGATCCCT	CACCCGCAGC	TGCCTGTATC
27001	ACAAAAGCGA	AGATCAGCTT	CGGCGCACGC	TGGAAGACGC	GGAGGCTCTC	TTCAGTAAAT
27061	ACTGCGCGCT	GACTCTTAAG	GACTAGTTTC	GCGCCCTTTC	TCAAATTTAA	GCGCGAAAAC
27121	TACGTCATCT	CCAGCGGCCA	CACCCGGCGC	CAGCACCTGT	CGTCAGCGCC	ATTATGAGCA
27181	AGGAAATTCC	CACGCCCTAC	ATGTGGAGTT	ACCAGCCACA	AATGGGACTT	GCGGCTGGAG
27241	CTGCCCAAGA	CTACTCAACC	CGAATAAACT	ACATGAGCGC	GGGACCCAC	ATGATATCCC
27301	GGGTCAACGG	AATCCGCGCC	CACCGAAACC	GAATTCTCTT	GGAACAGGCG	GCTATTACCA
27361	CCACACCTCC	TAATAACCTT	AATCCCCGTA	GTTGGCCCGC	TGCCCTGGTG	TACCAGGAAA
27421	GTCCCGCTCC	CACCACTGTG	GTACTTCCCA	GATGACGCCA	GGCCGAAGTT	CAGATGACTA
27481	ACTCAGGGGC	GCAGCTTGCG	GGCGGCTTTC	GTCACAGGGT	GCGGTGCGCC	GGGCAGGGTA
27541	TAATCACCT	GACAATCAGA	GGGCGAGGTA	TTCAGCTCAA	CGACGAGTCG	GTGAGCTCCT
27601	CGCTTGGTCT	CCGTCCGGAC	GGGACATTTT	AGATCGGCGG	CGCCGGCCGT	CCTTCATTCA
27661	CGCCTCGTCA	GGCAATCCTA	ACTCTGCAGA	CCTCGTCCTC	TGAGCCGCGC	TCTGGAGGCA
27721	TTGGAACCTCT	GCAATTTATT	GAGGAGTTTG	TGCCATCGGT	CTACTTTAAC	CCCTTCTCGG
27781	GACCTCCCGG	CCACTATCCG	GATCAATTTA	TTCCTAACTT	TGACGCGGTA	AAGGACTCGG
27841	CGGACGGCTA	CGACTGAATG	TTAAGTGGAG	AGGCAGAGCA	ACTGCGCCTG	AAACACCTGG
27901	TCCACTGTCTG	CCGCCACAAG	TGCTTTGCC	GCGACTCCGG	TGAGTTTTCG	TACTTTGAAT
27961	TGCCCCGAGGA	TCATATCGAG	GGCCCCGCGC	ACGGCGTCCG	GCTTACCGCC	CAGGGAGAGC
28021	TTGCCCGTAG	CCTGATTCCG	GAGTTTACCC	AGCGCCCCCT	GCTAGTTGAG	CGGGACAGGG
28081	GACCTCTGTG	TCTCACTGTG	ATTGCAACT	GTCCCTAACCT	TGGATTACAT	CAAGATCTTT
28141	GTTGCCATCT	CTGTGCTGAG	TATAATAAAT	ACAGAAATTA	AAATATACTG	GGGCTCCTAT
28201	CGCCATCCTG	TAAACGCCAC	CGTCTTCACC	CGCCCAAGCA	AACCAAGGCG	AACCTTACCT
28261	GGTACTTTTA	ACATCTCTCC	CTCTGTGATT	TACAACAGTT	TCAACCCAGA	CGGAGTGAGT
28321	CTACGAGAGA	ACCTCTCCGA	GCTCAGCTAC	TCCATCAGAA	AAAACACCAC	CCTCCTTACC
28381	TGCCGGGAAC	GTACGAGTGC	GTCACCGGCC	GCTGCACCAC	ACCTACCGCC	TGACCGTAAA
28441	CCAGACTTTT	TCCGGACAGA	CCTCAATAAC	TCTGTTTACC	AGAACAGGAG	GTGAGCTTAG
28501	AAAACCCTTA	GGGTATTAGG	CCAAAGGCGC	AGCTACTGTG	GGGTTTATGA	ACAATTCAAG
28561	CAACTCTACG	GGCTATTCTA	ATTCAGGTTT	CTCTAGAATC	GGGGTTGGGG	TTATTCTCTG
28621	TCTTGTGATT	CTCTTTATTC	TTATACTAAC	GCTTCTCTGC	CTAAGGCTCG	CCTGCTGCTG
28681	TGTGCACATT	TGCATTTATT	GTCAGCTTTT	TAAACGCTGG	GGTCGCCACC	CAAGATGATT
28741	AGGTACATAA	TCCTAGGTTT	TCCTACCCTT	GCGTCAGCCC	ACGGTACCAC	CCAAAAGGTG
28801	GATTTTAAGG	AGCCAGCCTG	TAATGTTACA	TTGCGAGCTG	AAGCTAATGA	GTGCACCACT
28861	CTTATAAAAT	GCACCACAGA	ACATGAAAAG	CTGCTTATTC	GCCACAAAAA	CAAAATTGGC
28921	AAGTATGCTG	TTTATGCTAT	TTGGCAGCCA	GGTGACACTA	CAGAGTATAA	TGTTACAGTT
28981	TTCCAGGGTA	AAAGTCATAA	AACTTTTATG	TATACTTTTC	CATTTTATGA	AATGTGCGAC
29041	ATTACCATGT	ACATGAGCAA	ACAGTATAAG	TTGTGGCCCC	CACAAAATTG	TGTGGAAAAC
29101	ACTGGCACTT	TCTGCTGCAC	TGCTATGCTA	ATTACAGTGC	TCGCTTTGGT	CTGTACCCTA
29161	CTCTATATTA	AATACAAAAG	CAGACGCAGC	TTTATTGAGG	AAAAGAAAAT	GCCTTAATTT
29221	ACTAAGTTAC	AAAGCTAATG	TCACCACTAA	CTGCTTTACT	CGCTGCTTGC	AAAACAAATT
29281	CAAAAAGTTA	GCATTATAAT	TAGAATAGGA	TTTAAACCCC	CCGGTCATTT	CCTGCTCAAT
29341	ACCATTCCCC	TGAACAATTG	ATCTATGTG	GGATATGCTC	CAGCGCTACA	ACCTTGAAGT
29401	CAGGCTTCCT	GGATGTCAGC	ATCTGACTTT	GGCCAGCACC	TGTCCCGCGG	ATTTGTTCCA
29461	GTCCAACCTAC	AGCGACCCAC	CCTAACAGAG	ATGACCAACA	CAACCAACGC	GGCCGCCGCT
29521	ACCGGACTTA	CATCTACCAC	AAATACACCC	CAAGTTTCTG	CCTTTGTCAA	TAAC TG GGAT
29581	AACTTGGGCA	TGTGGTGGTT	CTCCATAGCG	CTTATGTTTG	TATGCCTTAT	TATTATGTGG
29641	CTCATCTGCT	GCCTAAAGCG	CAAACGCGCC	CGACCACCCA	TCTATAGTCC	CATCATTTGTG
29701	CTACACCCAA	ACAATGATGG	AATCCATAGA	TTGGACGGAC	TGAAACACAT	GTTCTTTTCT
29761	CTTACAGTAT	GATTAAATGA	GACATGATTC	CTCGAGTTT	TATATTACTG	ACCCTTGTTG
29821	CGCTTTTTTG	TGCGTGCTCC	ACATTGGCTG	CGGTTTCTCA	CATCGAAGTA	CACTGCATTC
29881	CAGCCTTTCAC	AGTCTATTTG	CTTACGGAT	TTGTCACCCT	CACGCTCATC	TGCAGCCTCA
29941	TCAGTGTGGT	CATCGCCTTT	ATCCAGTGCA	TTGACTGGGT	CTGTGTGCGC	TTTGCATATC
30001	TCAGACACCA	TCCCCAGTAC	AGGGACAGGA	CTATAGCTGA	GCTTCTTAGA	ATTCTTTAAT

FIGURE 21
(SHEET 9)

30061	TATGAAATTT	ACTGTGACTT	TTCTGCTGAT	TATTTGCACC	CTATCTGCGT	TTTGTTCCCC
30121	GACCTCCAAG	CCTCAAAGAC	ATATATCATG	CAGATTCACT	CGTATATGGA	ATATTCCAAG
30181	TTGCTACAAT	GAAAAAAGCG	ATCTTTCCGA	AGCCTGGTTA	TATGCAATCA	TCTCTGTTAT
30241	GGTGTCTGTC	AGTACCATCT	TAGCCCTAGC	TATATATCCC	TACCTTGACA	TTGGCTGGAA
30301	ACGAATAGAT	GCCATGAACC	ACCCAACCTT	CCCCGCGCCC	GCTATGCTTC	CACTGCAACA
30361	AGTTGTTGCC	GGCGGCTTTG	TCCCAGCCAA	TCAGCCTCGC	CCCCTTCTC	CCACCCCCAC
30421	TGAAATCAGC	TACTTTAATC	TAACAGGAGG	AGATGACTGA	CACCCTAGAT	CTAGAAATGG
30481	ACGGAATTAT	TACAGAGCAG	CGCCTGCTAG	AAAGACGCAG	GGCAGCGGCC	GAGCAACAGC
30541	GCATGAATCA	AGAGCTCCAA	GACATGGTTA	ACTTGCACCA	GTGCAAAAGG	GGTATCTTTT
30601	GTCTGGTAAA	GCAGGCCAAA	GTCACCTACG	ACAGTAATAC	CACCGGACAC	CGCCTTAGCT
30661	ACAAGTTGCC	AACCAAGCGT	CAGAAATTGG	TGGTCATGGT	GGGAGAAAAG	CCCATTACCA
30721	TAACCTCAGCA	CTCGGTAGAA	ACCGAAGGCT	GCATTCACCT	ACCTTGTCAG	GGACCTGAGG
30781	ATCTCTGCAC	CCTTATTAAG	ACCCTGTGCG	GTCTCAAAGA	TCTTATTCCC	TTAACTAAT
30841	AAAAAAAAT	AATAAAGCAT	CACCTTAGTA	AAATCAGTTA	GCAAATTTCT	GTCCAGTTTA
30901	TTCAGCAGCA	CCTCCTTGCC	CTCCTCCCAG	CTCTGGTATT	GCAGCTTCCT	CCTGGCTGCA
30961	AACTTTCTCC	ACAATCTAAA	TGGAATGTCA	GTTTCCTCCT	GTTCTGTGCC	ATCCGCACCC
31021	ACTATCTTCA	TGTTGTTGCA	GATGAAGCGC	GCAAGACCGT	CTGAAGATAC	CTTCAACCCC
31081	GTGTATCCAT	ATGACACGGA	AACCGGTCCT	CCAAGTGTGC	CTTTCTTTAC	TCCTCCCTTT
31141	GTATCCCCCA	ATGGGTTTCA	AGAGAGTCCC	CCTGGGGTAC	TCTCTTTGCG	CCTATCCGAA
31201	CCTCTAGTTA	CCTCCAATGG	CATGCTTGCG	CTCAAAATGG	GCAACGGCCT	CTCTCTGGAC
31261	GAGGCCGGCA	ACCTTACCTC	CCAAAATGTA	ACCACTGTGA	GCCACCTCT	CAAAAAAACC
31321	AAGTCAAACA	TAAACCTGGA	AATATCTGCA	CCCCTCACAG	TTACCTCAGA	AGCCCTAAT
31381	GTGGCTGCCG	CCGCACCTCT	AATGGTCGCG	GGCAACACAC	TCACCATGCA	ATCAGAGGCC
31441	CCGCTAACCG	TGCACGACTC	CAAACTTAGC	ATTGCCACCC	AAGGACCCCT	CACAGTGTCA
31501	GAAGGAAAGC	TAGCCCTGCA	AACATCAGGC	CCCCTCACCA	CCACCGATAG	CAGTACCCTT
31561	ACTATCACTG	CCTCACCCCC	TCTAACTACT	GCCACTGGTA	GCTTGGGCAT	TGACTTGAAA
31621	GAGCCCATTT	ATACACAAAA	TGGAAAATA	GGACTAAAGT	ACGGGGCTCC	TTTGCATGTA
31681	ACAGACGACC	TAAACACTTT	GACCGTAGCA	ACTGGTCCAG	GTGTGACTAT	TAATAATACT
31741	TCCTTGCAAA	CTAAAGTTAC	TGGAGCCTTG	GGTTTTGATT	CACAAGGCAA	TATGCAACTT
31801	AATGTAGCAG	GAGGACTAAG	GATTGATTCT	CAAAACAGAC	GCCTTATACT	TGATGTTAGT
31861	TATCCGTTTG	ATGCTCAAAA	CCAATAAAT	CTAAGACTAG	GACAGGGCCC	TCTTTTTATA
31921	AACTCAGCCC	ACAACCTGGA	TATTAACCTA	AACAAAGGCC	TTACTTGTT	TACAGCTTCA
31981	AACAATTCCA	AAAAGCTTGA	GGTTAACCTA	AGCACTGCCA	AGGGGTGTAT	GTTTGACGCT
32041	ACAGCCATAG	CCATTAATGC	AGGAGATGG	CTTGAATTTG	GTTCACCTAA	GTTCACCAAC
32101	ACAAATCCCC	TCAAAACAAA	AATTGGCCAT	GGCCTAGAAT	TTGATTCAAA	CAAGGCTATG
32161	GTTCTTAAAC	TAGGAACTGG	CCTTAGTTTT	GACAGCACAG	GTGCCATTAC	AGTAGGAAAC
32221	AAAAATAATG	ATAAGCTAAC	TTTGTGGACC	ACACCAGCTC	CATCTCCTAA	CTGTAGACTA
32281	AATGCAGAGA	AAGATGCTAA	ACTCACTTTG	GTCTTAACAA	AATGTGGCAG	TCAAATACTT
32341	GCTACAGTTT	CAGTTTGGC	TGTTAAAGGC	AGTTTGGCTC	CAATATCTGG	AACAGTTCAA
32401	AGTGCTCATC	TTATTATAAG	ATTTGACGAA	AATGGAGTGC	TACTAAACAA	TTCTTCCCTG
32461	GACCCAGAAT	ATTGGAACCT	TAGAAATGGA	GATCTTACTG	AAGGCACAGC	CTATACAAAC
32521	GCTGTTGGAT	TTATGCCTAA	CCTATCAGCT	TATCCAAAAT	CTCACGGTAA	AACTGCCAAA
32581	AGTAACATTG	TCAGTCAAGT	TTACTTAAAC	GGAGACAAAA	CTAAACCTGT	AACACTAACC
32641	ATTACACTAA	ACGGTACACA	GGAAACAGGA	GACACAACCTC	CAAGTGTGTA	CTCTATGTCA
32701	TTTTCATGGG	ACTGGTCTGG	CCACAACCTAC	ATTAATGAAA	TATTTGCCAC	ATCCTCTTAC
32761	ACTTTTTTCAT	ACATTGCCCA	AGAATAAAGA	ATCGTTTGTG	TTATGTTTCA	ACGTGTTTAT
32821	TTTTCAATTG	CAGAAAATTT	CAAGTCATTT	TTCATTTCAGT	AGTATAGCCC	CACCACCACA
32881	TAGCTTATAC	AGATCACCGT	ACCTTAATCA	AACTCACAGA	ACCCTAGTAT	TCAACCTGCC
32941	ACCTCCCTCC	CAACACACAG	AGTACACAGT	CCTTTCTCCC	CGGCTGGCCT	TAAAAAGCAT
33001	CATATCATGG	GTAACAGACA	TATTCTTAGG	TGTTATATTC	CACACGGTTT	CCTGTGCGAGC
33061	CAAACGCTCA	TCAGTGATAT	TAATAAACTC	CCCGGGCAGC	TCACTTAAGT	TCATGTCGCT
33121	GTCCAGCTGC	TGAGCCACAG	GCTGCTGTCC	AACTTGCGGT	TGCTTAACGG	GCGGCGAAGG
33181	AGAAGTCCAC	GCCTACATGG	GGGTAGAGTC	ATAACTGTGC	ATCAGGATAG	GGCGGTGGTG
33241	CTGACGACG	GCGCGAATAA	ACTGCTGCCG	CCGCCGCTCC	GTCTGTCAGG	AATACAACAT
33301	GGCAGTGGTC	TCCTCAGCGA	TGATTGCGAC	CGCCCGCAGC	ATAAGGCGCC	TTGTCTCCG
33361	GGCACAGCAG	CGCACCCCTGA	TCTCACTTAA	ATCAGCACAG	TAACTGCAGC	ACAGCACCAC
33421	AATATTGTTT	AAAATCCAC	AGTGCAAGGC	GCTGTATCCA	AAGCTCATGG	CGGGGACCAC

FIGURE 21
(SHEET 10)

33481 AGAACCCACG TGGCCATCAT ACCACAAGCG CAGGTAGATT AAGTGGCGAC CCCTCATAAA
33541 CACGCTGGAC ATAAACATTA CCTCTTTTGG CATGTTGTAA TTCACCACCT CCCGGTACCA
33601 TATAAACCTC TGATTAAACA TGGCGCCATC CACCACCATC CTAAACCAGC TGGCCAAAAC
33661 CTGCCC GCCG GCTATACACT GCAGGGAACC GGGACTGGAA CAATGACAGT GGAGAGCCCA
33721 GGA CTGTA CCATGGATCA TCATGCTCGT CATGATATCA ATGTTGGCAC AACACAGGCA
33781 CACGTGCATA CACTTCCTCA GGATTACAAG CTCCTCCCGC GTTAGAACCA TATCCCAGGG
33841 AACAACCCAT TCCTGAATCA GCGTAAATCC CACACTGCAG GGAAGACCTC GCACGTA ACT
33901 CACGTTGTGC ATTGTCAAAG TGTTACATTC GGGCAGCAGC GGATGATCCT CCAGTATGGT
33961 AGCGCGGGTT TCTGTCTCAA AAGGAGGTAG ACGATCCCTA CTGTACGGAG TGCGCCGAGA
34021 CAACCGAGAT CGTGTGGTC GTAGTGT CAT GCAAATGGA ACGCCGGACG TAGTCATATT
34081 TCCTGAAGCA AAACCAGGTG CGGGCGTGAC AAACAGATCT GCGTCTCCGG TCTCGCCGCT
34141 TAGATCGCTC TGTGTAGTAG TTGTAGTATA TCCACTCTCT CAAAGCATCC AGGCGCCCCC
34201 TGGCTTCGGG TTCTATGTAA ACTCCTTCAT GCGCCGCTGC CCTGATAACA TCCACCACCG
34261 CAGAATAAGC CACACCCAGC CAACCTACAC ATTCGTTCTG CGAGTCACAC ACGGGAGGAG
34321 CGGGAAGAGC TGGAAGAACC ATGTTTTTTT TTTTATTCCA AAAGATTATC CAAAACCTCA
34381 AAATGAAGAT CTATTAAGTG AACGCGCTCC CTCCTCGGTGG CGTGGTCAAA CTCTACAGCC
34441 AAAGAACAGA TAATGGCATT TGTAAGATGT TGCACAATGG CTTCCAAAAG GCAAACGGCC
34501 CTCACGTCCA AGTGGACGTA AAGGCTAAAC CCTTCAGGGT GAATCTCCTC TATAACATTT
34561 CCAGCACCTT CAACCATGCC CAAATAATTC TCATCTCGCC ACCTTCTCAA TATATCTCTA
34621 AGCAAATCCC GAATATTAAG TCCGGCCATT GTAAAAATCT GCTCCAGAGC GCCCTCCACC
34681 TTCAGCCTCA AGCAGCGAAT CATGATTGCA AAAATTTCAGG TTCCTCACAG ACCTGTATAA
34741 GATTCAAAAAG CGGAACATTA AAAAAAATAC CGCGATCCCG TAGGTCCCTT CGCAGGGCCA
34801 GCTGAACATA ATCGTGCAGG TCTGCACGGA CCAGCGCGGC CACTTCCCCG CCAGGAACCT
34861 TGACAAAAGA ACCCACTG ATTATGACAC GCATACTCGG AGCTATGCTA ACCAGCGTAG
34921 CCCCAGTGTA AGCTTTGTTG CATGGGCGGC GATATAAAAT GCAAGGTGCT GCTCAAAAAA
34981 TCAGGCAAAG CCTCGCGCAA AAAAGAAAGC ACATCGTAGT CATGCTCATG CAGATAAAGG
35041 CAGGTAAGCT CCGGAACCAC CACAGAAAAA GACACCATTT TTCTCTCAA CATGTCTGCG
35101 GGTTTCTGCA TAAACACAAA ATAAAATAAC AAAAAAACAT TTAAACATTA GAAGCCTGTC
35161 TTACAACAGG AAAAAACAACC CTTATAAGCA TAAGACGGAC TACGGCCATG CCGGCGTGAC
35221 CGTAAAAAAA CTGGTCACCG TGATTAAAAA GCACCACCGA CAGCTCCTCG GTCATGTCCG
35281 GAGTCATAAT GTAAGACTCG GTAAACACAT CAGGTTGATT CATCGGTCAG TGCTAAAAAG
35341 CGACCGAAAT AGCCCGGGG AATACATACC CGCAGGCGTA GAGACAACAT TACAGCCCCC
35401 ATAGGAGGTA TAACAAAATT AATAGGAGAG AAAAAACACAT AAACACCTGA AAAACCCCTC
35461 TGCCTAGGCA AAATAGCACC CTCCCGCTCC AGAACACAT ACAGCGCTTC ACAGCGGCAG
35521 CCTAACAGTC AGCCTTACCA GTAAAAAGA AAACCTATTA AAAAAACACC ACTCGACACG
35581 GCACCAGCTC AATCAGTCAC AGTGTAAGAA AGGGCCAAGT GCAGAGCGAG TATATATAGG
35641 ACTAAAAAAT GACGTAACGG TTAAAGTCCA CAAAAACAC CCAGAAAACC GCACGCGAAC
35701 CTACGCCCAG AAACGAAAGC CAAAAACCC ACAACTTCCT CAAATCGTCA CTTCCGTTTT
35761 CCCACGTTAC GTAACCTCCC ATTTTAAGAA AACTACAATT CCCAACACAT ACAAGTTACT
35821 CCGCCCTAAA ACCTACGTCA CCGCCCCGT TCCCACGCCC CGCGCCACGT CACAACTCC
35881 ACCCCCTCAT TATCATATTG GCTTCAATCC AAAATAAGGT ATATTATTGA TGATG

FIGURE 21
(SHEET 11)

LOCUS KD1 33592 bp DNA SYN 28-APR-1999
 DEFINITION KD1
 ACCESSION KD1
 KEYWORDS .
 SOURCE Unknown.
 ORGANISM Unknown
 Unclassified.
 REFERENCE 1 (bases 1 to 33592)
 AUTHORS Self
 JOURNAL Unpublished.
 FEATURES Location/Qualifiers
 CDS 1..33592
 /gene="KD1"
 /product="KD1"
 BASE COUNT 7744 a 9470 c 9285 g 7093 t
 ORIGIN

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    1 CATCATCAAT AATATACCTT ATTTTGGATT GAAGCCAATA TGATAATGAG GGGGTGGAGT
    61 TTGTGACGTG GCGCGGGGCG TGGGAACGGG GCGGGTGACG TAGTAGTGTG GCGGAAGTGT
    121 GATGTTGCAA GTGTGGCGGA ACACATGTAA GCGACGGATG TGGCAAAAGT GACGTTTTTG
    181 GTGTGCGCCG GTGTACACAG GAAGTGACAA TTTTCGCGCG GTTTTAGGCG GATGTTGTAG
    241 TAAATTTGGG CGTAACCGAG TAAGATTTGG CCATTTTCGC GGGAAACTG AATAAGAGGA
    301 AGTGAAATCT GAATAATTTT GTGTTACTCA TAGCGCGTAA TATTTGTCTA GGGCCGCGGG
    361 GACTTTGACC GTTTACGTGG AGACTCGCCC AGGTGTTTTT CTCAGGTGTT TTCCGCGTTC
    421 CGGGTCAAAG TTGGCGTTTT ATTATTATAG TCTTGAGTGC CAGCGAGTAG AGTTTTCTCC TCCGAGCCGC
    481 TGAGTTCCTC AAGAGGCCAC TCTTGAGTGC CAGCGAGTAG AGTTTTCTCC TCCGAGCCGC
    541 TCCGACACCG GGAAGTAAAA TGAGACATGA GGTACTGGCT GATAATCTTC CACCTCCTAG
    601 CCATTTTGAA CCACCTACCC TTCACGAACT GTATGATTTA GACGTGACGG CCCCCGAAGA
    661 TCCCAACGAG GAGGCGGTTT CGCAGATTTT TCCCGACTCT GTAATGTTGG CGGTGCAGGA
    721 AGGGATTGAC TTAATCACTT TTCCGCCGGC GCCCGGTTCT CCGGAGCCGC CTCACCTTTC
    781 CCGGCAGCCC GAGCAGCCGG AGCAGAGAGC CTTGGGTCCG GTTTGCCACG AGGCTGGCTT
    841 TCCACCCAGT GACGACGAGG ATGAAGAGGG TGAGGAGTTT GTGTTAGATT ATGTGGAGCA
    901 CCGCGGGCAC GGTTCGAGGT CTTGTCATTA TCACCGGAGG AATACGGGGG ACCCAGATAT
    961 TATGTGTTTC CTTTGCTATA TGAGGACCTG TGGCATGTTT GTCTACAGTA AGTGAAATTT
    1021 ATGGGCAGTG GGTGATAGAG TGGTGGGTTT GTTGTTGTTT TTTTGTGTTT AATTTTACA
    1081 GTTTTGTGGT TTAAAGAATT TTGTATTGTG ATTTTTTTAA AAGGTCTGTG GTCTGAACCT
    1141 GAGCCTGAGC CCGAGCCAGA ACCGGAGCCT GCAAGACCTA CCCGCCGTCC TAAAATGGCG
    1201 CCTGCTATCC TGAGACGCCC GACATCACCT GTGTCTAGAG AATGCAATAG TAGTACGGAT
    1261 AGCTGTGACT CCGGTCCTTC TAACACACCT CCTGAGATAC ACCCGGTGGT CCCGCTGTGC
    1321 CCCATTAAAC CAGTTGCCGT GAGAGTTGGT GGGCGTCGCC AGGCTGTGGA ATGTATCGAG
    1381 GACTTGCTTA ACGAGCCTGG GCAACCTTTG GACTTGAGCT GTAAACGCCC CAGGCCATAA
    1441 GGTGTAAACC TGTGATTGCG TGTGTGGTTA ACGCCTTTGT TTGCTGAATG AGTTGATGTA
    1501 AGTTTAATAA AGGGTGAGAT AATGTTTAAAC TTGCATGGCG GTTTAAATGG GCGGGGGCTT
    1561 AAAGGGTATA TAATGCGCCG TGGGCTAATC TTGGTTACAT CTGACCTCAT GGAGGCTTGG
    1621 GAGTGTTTGG AAGATTTTTT TGCTGTGCGT AACTTGCTGG AACAGAGCTC TAACAGTACC
    1681 TCTTGGTTTT GGAGGTTTCT GTGGGGCTCA TCCAGGCAA AGTTAGTCTG CAGAATTAAG
    1741 GAGGATTACA AGTGGGAATT TGAAGAGCTT TTGAAATCCT GTGGTGAGCT GTTTGATTCT
    1801 TTGAATCTGG GTCACCAGGC GCTTTTCCAA GAGAAGGTCA TCAAGACTTT GGATTTTTCC
    1861 ACACCGGGGC GCGCTGCGGC TGCTGTTGCT TTTTGTAGTT TTATAAAGGA TAAATGGAGC
    1921 GAAGAAACCC ATCTGAGCGG GGGGTACCTG CTGGATTTTC TGGCCATGCA TCTGTGGAGA
    1981 GCGGTTGTGA GACACAAGAA TCGCCTGCTA CTGTTGTCTT CCGTCCGCCC GCGGATAATA
    2041 CCGACGAGG AGCAGCAGCA GCAGCAGGAG GAAGCCAGGC GCGGCGGCA GGAGCAGAGC
    2101 CCATGGAACC CGAGAGCCGG CCTGGACCCT CGGGAATGAA TGTTGTACAG GTGGCTGAAC
    2161 TGTATCCAGA ACTGAGACGC ATTTTGACAA TTACAGAGGA TGGCAGGGG CTAAAGGGGG
    2221 TAAAGAGGGA GCGGGGGGCT TGTGAGGCTA CAGAGGAGGC TAGGAATCTA GCTTTTAGCT
    2281 TAATGACCAG ACACCGTCCT GAGTGTATTA CTTTTCAACA GATCAAGGAT AATTGCGCTA
    2341 ATGAGCTTGA TCTGCTGGCG CAGAAGTATT CCATAGAGCA GCTGACCACT TACTGGCTGC
    2401 AGCCAGGGGA TGATTTTGAG GAGGCTATTA GGGTATATGC AAAGGTGGCA CTTAGGCCAG
  
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FIGURE 22
 (SHEET 1)

2461	ATTGCAAGTA	CAAGATCAGC	AAACTTGTA	ATATCAGGAA	TTGTTGCTAC	ATTTCTGGGA
2521	ACGGGGCCGA	GGTGGAGATA	GATACGGAGG	ATAGGGTGCC	CTTTAGATGT	AGCATGATAA
2581	ATATGTGGCC	GGGGGTGCTT	GGCATGGACG	GGGTGGTTAT	TATGAATGTA	AGGTTTACTG
2641	GCCCCAATTT	TAGCGGTACG	GTTTTCTCTG	CCAATACCAA	CCTTATCCTA	CACGGTGTA
2701	GCTTCTATGG	GTTTAACAAT	ACCTGTGTGG	AAGCCTGGAC	CGATGTAAGG	GTTCCGGGCT
2761	GTGCCTTTTA	CTGCTGCTGG	AAGGGGGTGG	TGTGTCGCCC	CAAAAGCAGG	GCTTCAATTA
2821	AGAAATGCCT	CTTTGAAAGG	TGTACCTTGG	GTATCCTGTC	TGAGGGTAAC	TCCAGGGTGC
2881	GCCACAATGT	GGCCTCCGAC	TGTGGTTGCT	TCATGCTAGT	GAAAAGCGTG	GCTGTGATTA
2941	AGCATAACAT	GGTATGTGGC	AACTGCGAGG	ACAGGGCCTC	TCAGATGCTG	ACCTGCTCGG
3001	ACGGCAACTG	TCACCTGCTG	AAGACCATTC	ACGTAGCCAG	CCACTCTCGC	AAGGCCTGGC
3061	CAGTGTTTGA	GCATAACATA	CTGACCCGCT	GTTCCCTTGCA	TTTGGGTAAC	AGGAGGGGGG
3121	TGTTCTTACC	TTACCAATGC	AATTTGAGTC	ACACTAAGAT	ATTGCTTGAG	CCCAGAGACA
3181	TGTCCAAGGT	GAACCTGAAC	GGGGTGTGTT	ACATGACCAT	GAAGATCTGG	AAGGTGCTGA
3241	GGTACGATGA	GACCCGCACC	AGGTGCAGAC	CCTGCGAGTG	TGGCGGTAAA	CATATTAGGA
3301	ACCAGCCTGT	GATGCTGGAT	GTGACCGAGG	AGCTGAGGCC	CGATCACTTG	GTGCTGGCCT
3361	GCACCCGCGC	TGAGTTTGGC	TCTAGCGATG	AAGATACAGA	TTGAGGTA	GAAATGTGTG
3421	GGCGTGGCTT	AAGGGTGGGA	AAGAATATAT	AAGGTGGGGG	TCTTATGTAG	TTTTGTATCT
3481	GTTTTGCAGC	AGCCGCCGCC	GCCATGAGCA	CCAACTCGTT	TGATGGAAGC	ATTGTGAGCT
3541	CATATTTGAC	AACGCGCATG	CCCCCATGGG	CCGGGGTGCG	TCAGAATGTG	ATGGGCTCCA
3601	GCATGTATGG	TCGCCCCGTC	CTGCCCGCAA	ACTCTACTAC	CTTGACCTAC	GAGACCGTGT
3661	CTGGAACGCC	GTTGGAGACT	GCAGCCTCCG	CCGCCGCTTC	AGCCGCTGCA	GCCACCGCCC
3721	GCGGGATTGT	GACTGACTTT	GCTTTCCTGA	GCCCGCTTGC	AAGCAGTGCA	GCTTCCCGTT
3781	CATCCGCCCG	CGATGACAAG	TTGACGGCTC	TTTTGGCACA	ATTGGATTCT	TTGACCCGGG
3841	AACTTAATGT	CGTTTCTCAG	CAGCTGTTGG	ATCTGCGCCA	GCAGGTTTCT	GCCTGAAGG
3901	CTTCCCTCCCC	TCCCAATGCG	GTTTAAACA	TAAATAAAAA	ACCAGACTCT	GTTTGGATTT
3961	GGATCAAGCA	AGTGTCTTGC	TGCTTTTATT	TAGGGGTTTT	GCGCGCGCGG	TAGGCCCGGG
4021	ACCAGCGGTC	TCGGTCGTTG	AGGGTCCTGT	GTATTTTTTC	CAGGACGTGG	TAAAGGTGAC
4081	TCTGGATGTT	CAGATACATG	GGCATAAGCC	CGTCTCTGGG	GTGGAGGTAG	CACCACTGCA
4141	GAGCTTCATG	CTGCGGGGTG	GTGTTGTAGA	TGATCCAGTC	GTAGCAGGAG	CGCTGGGCGT
4201	GGTGCCTAAA	AATGTCTTTC	AGTAGCAAGC	TGATTGCCAG	GGGCAGGCCC	TTGGTGTAAG
4261	TGTTTACAAA	GCGGTAAAGC	TGGGATGGGT	GCATACGTGG	GGATATGAGA	TGCATCTTGG
4321	ACTGTATTTT	TAGGTTGGCT	ATGTTCCCAG	CCATATCCCT	CCGGGGATT	ATGTTGTGCA
4381	GAACCACCAG	CACAGTGTAT	CCGGTGCAT	TGGGAAATTT	GTCATGTAGC	TTAGAAGGAA
4441	ATGCGTGGAA	GAACCTGGAG	ACGCCCTTGT	GACCTCCAAG	ATTTTCCATG	CATTCTGTCCA
4501	TAATGATGGC	AATGGGCCCA	CGGGCGGCGG	CCTGGGCGAA	GATATTTCTG	GGATCACTAA
4561	CGTCATAGTT	GTGTTCCAGG	ATGAGATCGT	CATAGGCCAT	TTTTACAAAG	CGCGGGCGGA
4621	GGGTGCCAGA	CTGCGGTATA	ATGGTTCCAT	CCGGCCCAGG	GGCGTAGTTA	CCCTCACAGA
4681	TTTGCAATTC	CCACGCTTTG	AGTTCAGATG	GGGGGATCAT	GTCTACCTGC	GGGGCGATGA
4741	AGAAAACGGT	TTCCGGGGTA	GGGGAGATCA	GCTGGGAAGA	AAGCAGGTTT	CTGAGCAGCT
4801	GCGACTTACC	GCAGCCGGTG	GGCCCGTAAA	TCACACCTAT	TACCGGGTGC	AACTGGTAGT
4861	TAAGAGAGCT	GCAGCTGCCG	TCATCCCTGA	GCAGGGGGGC	CACTTCGTTA	AGCATGTCCC
4921	TGACTCGCAT	GTTTTCCTTG	ACCAAATCCG	CCAGAAGGCG	CTCGCCGCC	AGCGATAGCA
4981	GTTCTTGCAA	GGAAGCAAAG	TTTTTCAACG	GTTTGAGACC	GTCCGCCGTA	GGCATGCTTT
5041	TGAGCGTTTG	ACCAAGCAGT	TCCAGGCGGT	CCCACAGCTC	GGTCACCTGC	TCTACGGCAT
5101	CTCGATCCAG	CATATCTCCT	CGTTTCGCGG	GTTGGGGCGG	CTTTCGCTGT	ACGGCAGTAG
5161	TCGGTGCTCG	TCCAGACGGG	CCAGGGTCAT	GTCTTTCCAC	GGGCGCAGGG	TCCTCGTCAG
5221	CGTAGTCTGG	GTCACGGTGA	AGGGGTGCGC	TCCGGGCTGC	GCGCTGGCCA	GGGTGCGCTT
5281	GAGGCTGGTC	CTGCTGGTGC	TGAAGCGCTG	CCGGTCTTCG	CCCTGCGCGT	CGGCCAGGTA
5341	GCATTTGACC	ATGGTGTTCAT	AGTCCAGCCC	CTCCGCGGCG	TGGCCCTTGG	CGCGCAGCTT
5401	GCCCTTGAG	GAGGCGCCGC	ACGAGGGGCA	GTGCAGACTT	TTGAGGGCGT	AGAGCTTGGG
5461	CGCGAGAAAT	ACCGATTCCG	GGGAGTAGGC	ATCCGCGCCG	CAGGCCCCGC	AGACGGTCTC
5521	GCATTCCACG	AGCCAGGTGA	GCTCTGGCCG	TTCGGGGTCA	AAAACCAGGT	TTCCCCCATG
5581	CTTTTTGATG	CGTTTCTTAC	CTCTGGTTTC	CATGAGCCGG	TGTCCACGCT	CGGTGACGAA
5641	AAGGCTGTCC	GTGTCCCCGT	ATACAGACTT	GAGAGGCCTG	TCCTCGAGCG	GTGTTCCGCG
5701	GTCCTCTCTG	TATAGAAACT	CGGACCACTC	TGAGACAAAG	GCTCGCGTCC	AGGCCAGCAC
5761	GAAGGAGGCT	AAGTGGGAGG	GGTAGCGGTC	GTTGTCCACT	AGGGGGTCCA	CTCGCTCCAG
5821	GGTGTGAAGA	CACATGTCGC	CCTCTTCGGC	ATCAAGGAAG	GTGATTGGTT	TGTAGGTGTA

FIGURE 22
(SHEET 2)

5881	GGCCACGTGA	CCGGGTGTTC	CTGAAGGGGG	GCTATAAAAG	GGGGTGGGGG	CGCGTTCGTC
5941	CTCACTCTCT	TCCGCATCGC	TGTCTGCGAG	GGCCAGCTGT	TGGGGTGGAGT	ACTCCCTCTG
6001	AAAAGCGGGC	ATGACTTCTG	CGCTAAGATT	GTCAGTTTCC	AAAAACGAGG	AGGATTTGAT
6061	ATTACCTGG	CCC CGCGTGA	TGCCTTTGAG	GGTGGCCGCA	TCCATCTGGT	CAGAAAAGAC
6121	AATCTTTTG	TTGTCAAGCT	TGGTGGCAAA	CGACCCGTAG	AGGGCGTTGG	ACAGCAACTT
6181	GGCGATGGAG	CGCAGGGTTT	GGTTTTTTGTC	GCGATCGGCG	CGCTCCTTGG	CCGCGATGTT
6241	TAGCTGCACG	TATTCGCGCG	CAACGCACCG	CCATTCGGGA	AAGACGGTGG	TGCGCTCGTC
6301	GGGACCAGG	TGCACGCGCC	AACCGCGGTT	GTGCAGGGTG	ACAAGGTCAA	CGCTGGTGGC
6361	TACCTCTCCG	CGTAGGCGCT	CGTTGGTCCA	GCAGAGGCGG	CCGCCCTTGC	GCGAGCAGAA
6421	TGGCGGTAGG	GGGTCTAGCT	GCGTCTCGTC	CGGGGGGTCT	GCGTCCACGG	TAAAGACCCC
6481	GGGCAGCAGG	CGCGCGTCGA	AGTAGTCTAT	CTTGCATCCT	TGCAAGTCTA	GCGCCTGCTG
6541	CCATGCGCGG	GCGGCAAGCG	CGCGCTCGTA	TGGGTTGAGT	GGGGGACCCC	ATGGCATGGG
6601	GTGGGTGAGC	GCGGAGGCGT	ACATGCCGCA	AATGTCGTAA	ACGTAGAGGG	GCTCTCTGAG
6661	TATTTCCAAGA	TATGTAGGGT	AGCATCTTCC	ACCGCGGATG	CTGGCGCGCA	CGTAATCGTA
6721	TAGTTTCGTG	GAGGGAGCGA	GGAGGTCGGG	ACCGAGGTTG	CTACGGGCGG	GCTGCTCTGC
6781	TCGGAAGACT	ATCTGCCTGA	AGATGGCATG	TGAGTTGGAT	GATATGGTTG	GACGCTGGAA
6841	GACGTTGAAG	CTGGCGTCTG	TGAGACCTAC	CGCGTCACGC	ACGAAGGAGG	CGTAGGAGTC
6901	GCGCAGCTTG	TTGACCAGCT	CGGCGGTGAC	CTGCACGTCT	AGGGCGCAGT	AGTCCAGGGT
6961	TTCTTTGATG	ATGTCATACT	TATCCTGTCC	CTTTTTTTTC	CACAGCTCGC	GGTTGAGGAC
7021	AAACTCTTCG	CGGTCTTTCC	AGTACTCTTG	GATCGGAAAC	CCGTCCGGCT	CCGAACGGTA
7081	AGAGCCTAGC	ATGTAGAACT	GGTTGACGGC	CTGGTAGGCG	CAGCATCCCT	TTTCTACGGG
7141	TAGCGCGTAT	GCCTGCGCGG	CCTTCCGGAG	CGAGGTGTGG	GTGAGCGCAA	AGGTGTCCCT
7201	GACCATGACT	TTGAGGTACT	GGTATTTGAA	GTCAGTGTGC	TGCGATCCGC	CCTGCTCCCA
7261	GAGCAAAAAG	TCCGTGCGCT	TTTTGGAACG	CGGATTTGGC	AGGGCGAAGG	TGACATCGTT
7321	GAAGAGTATC	TTTCCCGCGC	GAGGCATAAA	GTTGCGTGTG	ATGCGGAAGG	GTCCCGGCAC
7381	CTCGGAACGG	TTGTTAATTA	CCTGGGCGCG	GAGCACGATC	TCGTCAAAGC	CGTTGATGTT
7441	GTGGCCCA	ATGTAAAGTT	CCAAGAAGCG	CGGGATGCCC	TTGATGGAAG	GCAATTTTTT
7501	AAGTTCCCTG	TAGGTGAGCT	CTTCAGGGGA	GCTGAGCCCG	TGCTCTGAAA	GGGCCAGTCC
7561	TGCAAGATGA	GGGTTGGAAG	CGACGAATGA	GCTCCACAGG	TCACGGGCCA	TTAGCATTTG
7621	CAGGTGGTCC	CGAAAAGGTCC	TAAACTGGCG	ACCTATGGCC	ATTTTTTCTG	GGGTGATGCA
7681	GTAGAAGGTA	AGCGGGTCTT	GTTCCCGAGC	GTCCCATCCA	AGGTTCCGCG	CTAGGTCTCG
7741	CGCGGCAGTC	ACTAGAGGCT	CATCTCCGCC	GAACCTCATG	ACCAGCATGA	AGGGCACGAG
7801	CTGCTTCCCA	AAGGCCCCCA	TCCAAGTATA	GGTCTCTACA	TCGTAGGTGA	CAAAGAGACG
7861	CTCGGTGCGA	GGATGCGAGC	CGATCGGGAA	GAACCTGGATC	TCCCGCCACC	AATTGGAGGA
7921	GTGGCTATTG	ATGTGGTGAA	AGTAGAAGTC	CCTGCGACGG	GCCGAACACT	CGTGCTGGCT
7981	TTTGTAATAA	CGTGCGCAGT	ACTGGCAGCG	GTGCACGGGC	TGTACATCCT	GCACGAGGTT
8041	GACCTGACGA	CCGCGCACAA	GGAAGCAGAG	TGGGAATTTG	AGCCCTCTCG	CTGGCGGGTT
8101	TGGCTGGTGG	TCTTCTACTT	CGGCTGCTTG	TCCTTGACCG	TCTGGCTGCT	CGAGGGGAGT
8161	TACGGTGGAT	CGGACCACCA	CGCCGCGCGA	GCCCAAAGTC	CAGATGTCCG	CGCGCGGCGG
8221	TCGGAGCTTG	ATGACAACAT	CGCGCAGATG	GGAGCTGTCC	ATGGTCTGGA	GCTCCCGCGG
8281	CGTCAGGTCA	GGCGGGAGCT	CCTGCAGGTT	TACCTCGCAT	AGACGGGTCA	GGGCGCGGGC
8341	TAGATCCAGG	TGATACCTAA	TTTCCAGGGG	CTGGTTGGTG	GCGGCGTCTG	TGGCTTGCAA
8401	GAGGCCGCAT	CCCCGCGGCG	CGACTACGGT	ACCGCGCGGC	GGGCGGTGGG	CCGCGGGGGT
8461	GTCTTTGGAT	GATGCATCTA	AAAGCGGTGA	CGCGGGCGAG	CCCCCGGAGG	TAGGGGGGGC
8521	TCCGGACCCG	CCGGGAGAGG	GGGCAGGGGC	ACGTCCGGCG	CGCGCGCGGG	CAGGAGCTGG
8581	TGCTGCGCGC	GTAGGTTGCT	GGCGAACGCG	ACGACGCGGC	GGTTGATCTC	CTGAATCTGG
8641	CGCCTCTGCG	TGAAGACGAC	GGGCCCCGGT	AGCTTGAGCC	TGAAAGAGAG	TTTCACAGAA
8701	TCAATTTCCG	TGTCGTTGAC	GGCGGCCCTG	CGCAAAATCT	CCTGCACGTC	TCCTGAGTTG
8761	TCTTGATAGG	CGATCTCGGC	CATGAACTGC	TCGATCTCTT	CCTCCTGGAG	ATCTCCGCGT
8821	CCGGCTCGCT	CCACGGTGGC	GGCGAGGTCG	TTGGAAATGC	GGGCCATGAG	CTGCGAGAAG
8881	GCGTTGAGGC	CTCCCTCGTT	CCAGACGCGG	CTGTAGACCA	CGCCCCCTTC	GGCATCGCGG
8941	GCGCGCATGA	CCACCTGCGC	GAGATTGAGC	TCCACGTGCC	GGGCGAAGAC	GGCGTAGTTT
9001	CGCAGGCGCT	GAAAGAGGTA	GTTGAGGGTG	GTGGCGGTGT	GTTCTGCCAC	GAAGAAGTAC
9061	ATAACCCAGC	GTCGCAACGT	GGATTTCGTT	ATATCCCCCA	AGGCCTCAAG	GCGCTCCATG
9121	GCCTCGTAGA	AGTCCACGCG	GAAGTTGAAA	AACTGGGAGT	TGCGCGCCGA	CACGGTTAAC
9181	TCCTCTCTCA	GAAGACGGAT	GAGCTCGGCG	ACAGTGTGCG	GCACCTCGCG	CTCAAAGGCT
9241	ACAGGGGCCT	CTTCTTCTTC	TTCAATCTCC	TCTTCCATAA	GGGCCTCCCC	TTCTTCTTCT

FIGURE 22
(SHEET 3)

9301	TCTGGCGGCG	GTGGGGGAGG	GGGGACACGG	CGGCGACGAC	GGCGCACCGG	GAGGCGGTCTG
9361	ACAAAGCGCT	CGATCATCTC	CCCGCGGCGA	CGGCGCATGG	TCTCGGTGAC	GGCGCGGCCG
9421	TTCTCGCGGG	GGCGCAGTTG	GAAGACGCCG	CCCGTCATGT	CCCGGTTATG	GGTTGGCGGG
9481	GGGCTGCCAT	GCGGCAGGGA	TACGGCGCTA	ACGATGCATC	TCAACAATTG	TTGTGTAGGT
9541	ACTCCGCGCG	CGAGGGACCT	GAGCGAGTCC	GCATCGACCG	GATCGGAAAA	CCTCTCGAGA
9601	AAGGCGTCTA	ACCAGTCACA	GTCCGAAGGT	AGGCTGAGCA	CCGTGGCGGG	CGGCAGCGGG
9661	CGGCGGTCCG	GGTTGTTTCT	GGCGGAGGTG	CTGCTGATGA	TGTAATTAAA	GTAGGCGGTCT
9721	TTGAGACGGC	GGATGGTCGA	CAGAAGCACC	ATGTCCTTGG	GTCCGGCCTG	CTGAATGCGC
9781	AGGCGGTCCG	CCATGCCCCA	GGCTTCGTTT	TGACATCGGC	GCAGGTCTTT	GTAGTAGTCT
9841	TGCATGAGCC	TTTCTACCGG	CACCTCTTCT	TCTCCTTCCT	CTTGTCCTGC	ATCTCTTGCA
9901	TCTATCGCTG	CGGCGGCGGC	GGAGTTTGGC	CGTAGGTGGC	GCCCTCTTCC	TCCCATGCGT
9961	GTGACCCCGA	AGCCCCTCAT	CGGCTGAAGC	AGGGCTAGGT	CGGCGACAAC	GCGCTCGGCT
10021	AATATGGCCT	GCTGCACCTG	CGTGAGGGTA	GACTGGAAGT	CATCCATGTC	CACAAAGCGG
10081	TGGTATGCGC	CCGTGTTGAT	GGTGTAAGTG	CAGTTGGCCA	TAACGGACCA	TTAACCGGTC
10141	TGGTGACCCG	GCTGCGAGAG	CTCGGTGTAC	CTGAGACGCG	AGTAAGCCCT	CGAGTCAAAT
10201	ACGTGATCCG	TGCAAGTCCG	CACCAGGTAC	TGGTATCCCA	CCAAAAAGTG	CGGCGGCGGC
10261	TGGCGGTAGA	GGGGCCAGCG	TAGGGTGGCC	GGGGCTCCGG	GGGCGAGATC	TTCCAACATA
10321	AGGCGATGAT	ATCCGTAGAT	GTACCTGGAC	ATCCAGGTGA	TGCCGGCGGC	GGTGGTGGAG
10381	GCGCGCGGAA	AGTCGCGGAC	GCGGTTCCAG	ATGTTGCGCA	GCGGCAAAAA	GTGCTCCATG
10441	GTCGGGACGC	TCTGGCCGGT	CAGGCGCGCG	CAATCGTTGA	CGCTCTAGCG	TGCAAAAAGGA
10501	GAGCCTGTAA	GCGGGCACTC	TTCCGTGGTC	TGGTGGATAA	ATTCGCAAGG	GTATCATGGC
10561	GGACGACCGG	GGTTCGAGCC	CCGTATCCGG	CCGTCCCGCG	TGATCCATGC	GGTTACCGCC
10621	CGCGTGTCGA	ACCCAGGTGT	GCGACGTCAG	ACAACGGGGG	AGTGCTCCTT	TTGGCTTCCT
10681	TCCAGGCGCG	GCGGCTGCTG	CGTAGCTTTT	TTTGCCCACT	GGCCGCGCGC	AGCGTAAGCG
10741	GTTAGGCTGG	AAAGCGAAAG	CATTAAGTGG	CTCGCTCCCT	GTAGCCGGAG	GGTTATTTTC
10801	CAAGGGTTGA	GTCGCGGGAC	CCCCGGTTCG	AGTCTCGGAC	CGGCCGGACT	GCGGCGAACG
10861	GGGCTTTGCC	TCCCCGTTCAT	GCAAGACCCC	GCTTGCAAAT	TCCTCCGGAA	ACAGGGACGA
10921	GCCCCTTTTT	TGCTTTTCCC	AGATGCATCC	GGTGCTGCGG	CAGATGCGCC	CCCCCTCTCA
10981	GCAGCGGCAA	GAGCAAGAGC	AGCGGCAGAC	ATGCAGGGCA	CCCTCCCCCTC	CTCCTACCGC
11041	GTCAGGAGGG	GCGACATCCG	CGGTTGACGC	GGCAGCAGAT	GGTGATTACG	AACCCCCGCG
11101	GCGCCGGGCC	CGGCACTACC	TGGACTTGGA	GGAGGGCGAG	GGCCTGGCGC	GGCTAGGAGC
11161	GCCCTCTCCT	GAGCGGTACC	CAAGGGTGCA	GCTGAAGCGT	GATACGCGTG	AGGCGTACGT
11221	GCCGCGGCAG	AACCTGTTTC	GCGACCGCGA	GGGAGAGGAG	CCCGAGGAGA	TGCGGGATCG
11281	AAAGTTCCAC	GCAGGGCGCG	AGCTGCGGCA	TGGCCTGAAT	CGCGAGCGGT	TGCTGCGCGA
11341	GGAGGACTTT	GAGCCCCGACG	CGCGAACCGG	GATTAGTCCC	GCGCGCGCAC	ACGTGGCGGC
11401	CGCCGACCTG	GTAACCGCAT	ACGAGCAGAC	GGTGAACCAG	GAGATTAACT	TTCAAAAAAG
11461	CTTTAACAAC	CACGTGCGTA	CGCTTGTTGG	GCGCGAGGAG	GTGGCTATAG	GACTGATGCA
11521	TCTGTGGGAC	TTTGTAAGCG	CGCTGGAGCA	AAACCCAAAT	AGCAAGCCGC	TCATGGCGCA
11581	GCTGTTCTT	ATAGTGCAGC	ACAGCAGGGA	CAACGAGGCA	TTCAGGGATG	CGCTGCTAAA
11641	CATAGTAGAG	CCCGAGGGCC	GCTGGCTGCT	CGATTTGATA	AACATCCTGC	AGAGCATAGT
11701	GGTGCAGGAG	CGCAGCTTGA	GCCTGGCTGA	CAAGGTGGCC	GCCATCAACT	ATTCCATGCT
11761	TAGCCTGGGC	AAGTTTTTACG	CCCGCAAGAT	ATACCATAAC	CCTTACGTTT	CCATAGACAA
11821	GGAGGTAAAG	ATCGAGGGGT	TCTACATGCG	CATGGCGCTG	AAGTGCTTA	CCTTGAGCGA
11881	CGACCTGGGC	GTTTATCGCA	ACGAGCGCAT	CCACAAGGCC	GTGAGCGTGA	GCCGGCGGCG
11941	CGAGCTCAGC	GACCGCGAGC	TGATGCACAG	CCTGCAAAGG	GCCCTGGCTG	GCACGGGCGAG
12001	CGGCGATAGA	GAGGCCGAGT	CCTACTTTGA	CGCGGGCGCT	GACCTGCGCT	GGGCCCCAAG
12061	CCGACGCGCC	CTGGAGGCAG	CTGGGGCCGG	ACCTGGGCTG	GCGGTGGCAC	CCGCGCGCGC
12121	TGGCAACGTC	GGCGGCGTGG	AGGAATATGA	CGAGGACGAT	GAGTACGAGC	CAGAGGACGG
12181	CGAGTACTAA	GCGGTGATGT	TTCTGATCAG	ATGATGCAAG	ACGCAACGGA	CCCGCGGGTG
12241	CGGGCGGCGC	TGCAGAGCCA	GCCGTCCGGC	CTTAACTCCA	CGGACGACTG	GCGCCAGGTC
12301	ATGGACCGCA	TCATGTCGCT	GACTGCGCGC	AATCCTGACG	CGTTCCGGCA	GCAGCCGCGC
12361	GCCAACCGGC	TCTCCGCAAT	TCTGGAAGCG	GTGGTCCCGG	CGCGCGCAAA	CCCCACGCAC
12421	GAGAAGGTGC	TGGCGATCGT	AAACGCGCTG	GCCGAAAACA	GGGCCATCCG	GCCCGACGAG
12481	GCCGGCCTGG	TCTACGACGC	GCTGCTTCAG	CGCGTGGCTC	GTTACAACAG	CGGCAACGTG
12541	CAGACCAACC	TGGACCGGCT	GGTGGGGGAT	GTGCGCGAGG	CCGTGGCGCA	GCGTGAGCGC
12601	GCGCAGCAGC	AGGGCAACCT	GGGCTCCATG	GTTGCACTAA	ACGCTTCTCT	GAGTACACAG
12661	CCCGCCAACG	TGCCGCGGGG	ACAGGAGGAC	TACACCAACT	TTGTGAGCGC	ACTGCGGCTA

FIGURE 22
(SHEET 4)

12721	ATGGTGA	CTG	AGACACCGCA	AAGTGAGGTG	TACCACTCTG	GGCCAGACTA	TTTTTTCCAG
12781	ACCAGTAGAC	AAGGCCTGCA	GACCGTAAAC	CTGAGCCAGG	CTTTCAAAAA	CTTGCAAGGG	
12841	CTGTGGGGG	TGCGGGCTCC	CACAGGCGAC	CGCGCGACCG	TGTCTAGCTT	GCTGACGCCC	
12901	AACTCGCGCC	TGTTGCTGCT	GCTAATAGCG	CCCTTCACGG	ACAGTGGCAG	CGTGTCCCGG	
12961	GACACATACC	TAGGTCACTT	GCTGACACTG	TACCGCGAGG	CCATAGGTCA	GGCGCATGTG	
13021	GACGAGCATA	CTTTCCAGGA	GATTACAAGT	GTCAGCCGCG	CGCTGGGGCA	GGAGGACACG	
13081	GGCAGCCTGG	AGGCAACCCT	AAACTACCTG	CTGACCAACC	GGCGGCAGAA	GATCCCCCTCG	
13141	TTGCACAGTT	TAAACAGCGA	GGAGGAGCGC	ATTTTTCGCT	ACGTGCAGCA	GAGCGTGAGC	
13201	CTTAACCTGA	TGCGCGACGG	GGTAACGCC	AGCGTGGCGC	TGGACATGAC	CGCGCGCAAC	
13261	ATGGAACCGG	GCATGTATGC	CTCAAACCGG	CCGTTTATCA	ACCGCCTAAT	GGACTACTTG	
13321	CATCGCGCGG	CCGCCGTGAA	CCCCGAGTAT	TTCACCAATG	CCATCTTGAA	CCCGCACTGG	
13381	CTACCGCCCC	CTGGTTTCTA	CACCGGGGGA	TTCGAGGTGC	CCGAGGGTAA	CGATGGATTC	
13441	CTCTGGGACG	ACATAGACGA	CAGCGTGTTT	TCCCCGCAAC	CGCAGACCCT	GCTAGAGTTG	
13501	CAACAGCGCG	AGCAGGCAGA	GGCGGCGCTG	CGAAAGGAAA	GCTTCCGCGA	GCCAAGCAGC	
13561	TTGTCCGATC	TAGGCGCTGC	GGCCCCGCGG	TCAGATGCTA	GTAGCCCAT	TCCAAGCTTG	
13621	ATAGGGTCTC	TTACCAGCAC	TCGCAACCAC	CGCCCGCGCC	TGCTGGGCGA	GGAGGAGTAC	
13681	CTAAACAAC	CGCTGCTGCA	GCCGCAGCGC	GAAAAAACC	TGCCTCCGGC	ATTTCCCAAC	
13741	AACGGGATAG	AGAGCCTAGT	GGACAAGATG	AGTAGATGGA	AGACGTACGC	GCAGGAGCAC	
13801	AGGGACGTGC	CAGGCCCGCG	CCCCGCCACC	CGTCGTCAAA	GGCAGACCG	TCAGCGGGGT	
13861	CTGGTGTGGG	AGGACGATGA	CTCGGCAGAC	GACAGCAGCG	TCCTGGATTT	GGGAGGGAGT	
13921	GGCAACCCGT	TTGCGCACCT	TCGCCCCAGG	CTGGGGAGAA	TGTTTTAAAA	AAAAAAAGC	
13981	ATGATGCAAA	ATAAAAACT	CACCAAGGCC	ATGGCACC	CGGTTGGTTT	TCTTGTATTC	
14041	CCCTTAGTAT	GCGGCGCGCG	GCGATGTATG	AGGAAGGTCC	TCCTCCCTCC	TACGAGAGTG	
14101	TGGTGAGCGC	GGCGCCAGTG	GCGGCGGCGC	TGGGTTCTCC	CTTCGATGCT	CCCCTGGACC	
14161	CGCCGTTTGT	GCCTCCGCGG	TACCTGCGGC	CTACCGGGGG	GAGAAACAGC	ATCCGTTACT	
14221	CTGAGTTGGC	ACCCCTATTC	GACACCACCC	GTGTGTACCT	GGTGGACAAC	AAGTCAACGG	
14281	ATGTGGCATC	CCTGAACTAC	CAGAACGACC	ACAGCAACTT	TCTGACCACG	GTCATTCAAA	
14341	ACAATGACTA	CAGCCCCGGG	GAGGCAAGCA	CACAGACCAT	CAATCTTGAC	GACCGGTCGC	
14401	ACTGGGGCGG	CGACCTGAAA	ACCATCCTGC	ATACCAACAT	GCCAAATGTG	AACGAGTTCA	
14461	TGTTTACCAA	TAAGTTTAAG	GCGCGGGTGA	TGGTGTGCGG	CTTGCCTACT	AAGGACAATC	
14521	AGGTGGAGCT	GAAATACGAG	TGGGTGGAGT	TCACGCTGCC	CGAGGGCAAC	TACTCCGAGA	
14581	CCATGACCAT	AGACCTTATG	AACAACGCGA	TCGTGGAGCA	CTACTTGAAA	GTGGGCAGAC	
14641	AGAACGGGGT	TCTGGAAAGC	GACATCGGGG	TAAAGTTTGA	CACCCGCAAC	TTACACTGG	
14701	GGTTTGACCC	CGTCACTGGT	CTTGTCATGC	CTGGGGTATA	TACAAACGAA	GCCTTCCATC	
14761	CAGACATCAT	TTTGCTGCCA	GGATGCGGGG	TGGACTTCAC	CCACAGCCGC	CTGAGCAACT	
14821	TGTTGGGCAT	CCGCAAGCGG	CAACCTTCC	AGGAGGGCTT	TAGGATCACC	TACGATGATC	
14881	TGGAGGGTGG	TAACATTCCC	GCACTGTTGG	ATGTGGACGC	CTACCAGGCG	AGCTTGAAAG	
14941	ATGACACCGA	ACAGGGCGGG	GGTGGCGCAG	GCGGCAGCAA	CAGCAGTGGC	AGCGGCGCGG	
15001	AAGAGAACTC	CAACGCGGCA	GCCGCGGCAA	TGCAGCCGGT	GGAGGACATG	AACGATCATG	
15061	CCATTGCGGG	CGACACCTTT	GCCACACGGG	CTGAGGAGAA	GCGCGCTGAG	GCCGAAGCAG	
15121	CGGCCGAAGC	TGCCGCCCCC	GCTGCGCAAC	CCGAGGTCGA	GAAGCCTCAG	AAGAAACCGG	
15181	TGATCAAACC	CCTGACAGAG	GACAGCAAGA	AACGCAGTTA	CAACCTAATA	AGCAATGACA	
15241	GCACCTTCAC	CCAGTACCGC	AGCTGGTACC	TTGCATACAA	CTACGGCGAC	CCTCAGACCG	
15301	GAATCCGCTC	ATGGACCCTG	CTTTGCACTC	CTGACGTAAC	CTGCGGCTCG	GAGCAGGTCT	
15361	ACTGGTCGTT	GCCAGACATG	ATGCAAGACC	CCGTGACCTT	CCGCTCCACG	CGCCAGATCA	
15421	GCAACTTTCC	GGTGGTGGGC	GCCGAGCTGT	TGCCCGTGCA	CTCCAAGAGC	TTCTACAACG	
15481	ACCAGGCCGT	CTACTCCCAA	CTCATCCGCC	AGTTTACCTC	TCTGACCCAC	GTGTTCAATC	
15541	GCTTTCCCGA	GAACCAGATT	TTGGCGCGCC	CGCCAGCCCC	CACCATCACC	ACCGTCAGTG	
15601	AAAACGTTCC	TGCTCTCACA	GATCACGGGA	CGCTACCGCT	GCGCAACAGC	ATCGGAGGAG	
15661	TCCAGCGAGT	GACCATTACT	GACGCCAGAC	GCCGCACCTG	CCCCTACGTT	TACAAGGCCC	
15721	TGGGCATAGT	CTCGCCGCGC	GTCCTATCGA	GCCGCACTTT	TTGAGCAAGC	ATGTCCATCC	
15781	TTATATCGCC	CAGCAATAAC	ACAGGCTGGG	GCCTGCGCTT	CCCAAGCAAG	ATGTTTGGCG	
15841	GGGCCAAGAA	GCGCTCCGAC	CAACACCCAG	TGCGCGTGCG	CGGGCACTAC	CGCGCGCCCT	
15901	GGGGCGCGCA	CAAACGCGGC	CGCACTGGGG	GCACCACCGT	CGATGACGCC	ATCGACGCGG	
15961	TGGTGGAGGA	GGCGCGCAAC	TACACGCCCA	CGCCGCCACC	AGTGTCCACA	GTGGACGCGG	
16021	CCATTGAGAC	CGTGGTGCGC	GAGCGCCGCG	GCTATGCTAA	AATGAAGAGA	CGGCGGAGGC	
16081	GCGTAGCACG	TCGCCACCGC	CGCCGACCCG	GCACTGCCGC	CCAACGCGCG	GCGGCGGCCC	

FIGURE 22
(SHEET 5)

16141 TGCTTAACCG CGCACGTCGC ACCGGCCGAC GGGCGGCCAT GCGGGCCGCT CGAAGGCTGG.
16201 CCGCGGGTAT TGTCACGTG CCCCCAGGT CCAGGCGACG AGCGGCCGCC GCAGCAGCCG
16261 CGGCCATTAG TGCTATGACT CAGGGTCGCA GGGGCAACGT GTATTGGGTG CGCGACTCGG
16321 TTAGCGGCCT GCGCGTGCCC GTGCGCACC GCCCCCCGCG CAACTAGATT GCAAGAAAAA
16381 ACTACTTAGA CTCGTACTGT TGTATGTATC CAGCGGCGGC GGCGCGCAAC GAAGCTATGT
16441 CCAAGCGCAA AATCAAAGAA GAGATGCTCC AGGTCATCGC GCCGGAGATC TATGGCCCCC
16501 CGAAGAAGGA AGAGCAGGAT TACAAGCCCC GAAAGCTAAA GCGGGTCAAA AAGAAAAAGA
16561 AAGATGATGA TGATGAACTT GACGACGAGG TGGAAGTCT GCACGCTACC GCGCCCAGGC
16621 GACGGGTACA GTGGAAAGGT CGACGCGTAA AACGTGTTTT GCGACCCGGC ACCACCGTAG
16681 TCTTTACGCC CGGTGAGCGC TCCACCCGCA CCTACAAGCG CGTGTATGAT GAGGTGTACG
16741 GCGACGAGGA CCTGCTTGAG CAGGCCAACG AGCGCCTCGG GGAGTTTGCC TACGGAAAGC
16801 GGCATAAGGA CATGCTGGCG TTGCCGCTGG ACGAGGGCAA CCCAACACCT AGCCTAAAGC
16861 CCGTAACACT GCAGCAGGTG CTGCCCCGCG TTGCACCGTC CGAAGAAAAA CGCGGCCTAA
16921 AGCGCGAGTC TGGTGAAGTG GCACCCACCG TGCAGCTGAT GGTACCCAAG CGCCAGCGAC
16981 TGGAAGATGT CTTGGAAAAA ATGACCGTGG AACCTGGGCT GGAGCCCCGAG GTCCGCGTGC
17041 GGCCAATCAA GCAGGTGGCG CCGGGACTGG GCGTGCAGAC CGTGGACGTT CAGATACCCA
17101 CTACCGTAG CACCAGTATT GCCACCGCCA CAGAGGGCAT GGAGACACAA ACGTCCCCGG
17161 TTGCCTCAGC GGTGGCGGAT GCCGCGGTGC AGGCGGTGCG TCGGGCCGCG TCCAAGACCT
17221 CTACGGAGGT GCAAACGGAC CCGTGGATGT TTCGCGTTTC AGCCCCCGCG CGCCCGCGCG
17281 GTTCGAGGAA GTACGGCGCC GCCAGCGCGC TACTGCCCGA ATATGCCCTA CATCCTTCCA
17341 TTGCGCCTAC CCCC GGCTAT CGTGGCTACA CCTACCGCCC CAGAAGACGA GCAACTACCC
17401 GACGCCGAAC CACCACTGGA ACCCGCCGCC GCCGTCGCCG TCGCCAGCCC GTGCTGGCCC
17461 CGATTTCCGT GCGCAGGGTG GCTCGCGAAG GAGGCAGGAC CCTGGTGCTG CCAACAGCGC
17521 GCTACCACCC CAGCATCGTT TAAAAGCCGG TCTTTGTGGT TCTTGAGAT ATGGCCCTCA
17581 CCTGCCGCCT CCGTTTCCCG GTGCCGGGAT TCCGAGGAAG AATGCACCGT AGGAGGGGCA
17641 TGGCCGGCCA CGGCCTGACG GCGGCGATGC TCGTGCAGCA CCACCGCGCG CGGCGCGCGT
17701 CGCACCGTCG CATGCGCGGC GGTATCCTGC CCCTCCTTAT TCCACTGATC GCGCGGCGCA
17761 TTGGCGCCGT GCCCGGAATT GCATCCGTGG CCTTGCAGGC GCAGAGACAC TGATTAATAA
17821 CAAAGTTGCAT GTGGAAAAAT CAAAATAAAA AGTCTGGAAT CTCACGCTCG CTTGGTCCTG
17881 TAACTATTTT GTAGAATGGA AGACATCAAC TTTGCGTCTC TGGCCCCGCG ACACGGCTCG
17941 CGCCCGTTCA TGGGAAACTG GCAAGATATC GGCACCAGCA ATATGAGCGG TGGCGCCTTC
18001 AGCTGGGGCT CGCTGTGGAG CGGCATTAAA AATTTCCGTT CCACCGTTAA GAACTATGGC
18061 AGCAAGGCCT GGAACAGCAG CACAGGCCAG ATGCTGAGGG ATAAGTTGAA AGAGCAAAAT
18121 TTCCAACAAA AGGTGGTAGA TGGCCTGGCC TCTGGCATTG CCGGGGTGGT GGACCTGGCC
18181 AACCAGGCAG TGCAAAATAA GATTAACAGT AAGCTTGATC CCGCCCTCC CGTAGAGGAG
18241 CCTCCACCGG CCGTGGAGAC AGTGTCTCCA GAGGGGCGTG GCGAAAAGCG TCCGCGCCCC
18301 GACAGGGAAG AAACCTCTGT GACGCAATAA GACGAGCCTC CCTCGTACGA GGAGGCACTA
18361 AAGCAAGGCC TGCCCAACCAC CCGTCCCATC GCGCCCATGG CTACCGGAGT GCTGGGCCAG
18421 CACACACCCG TAACGCTGGA CCTGCCTCCC CCGCCGACA CCCAGCAGAA ACCTGTGCTG
18481 CCAGGCCCGA CCGCCGTTGT TGTAACCCGT CCTAGCCGCG CGTCCCTGCG CCGCGCCGCC
18541 AGCGGTCCGC GATCGTTGCG GCCCGTAGCC AGTGGCAACT GGCAAGCAC ACTGAACAGC
18601 ATCGTGGGTC TGGGGGTGCA ATCCCTGAAG CGCCGACGAT GCTTCTGAAT AGCTAACGTG
18661 TCGTATGTGT GTCATGTATG CGTCCATGTC GCCGCCAGAG GAGCTGCTGA GCCGCCGCGC
18721 GCGCGCTTTC CAAGATGGCT ACCCCTTCGA TGATGCCGCA GTGGTCTTAC ATGCACATCT
18781 CGGGCCAGGA CGCCTCGGAG TACCTGAGCC CCGGGCTGGT GCAGTTTGCC CGCGCCACCG
18841 AGACGTACTT CAGCCTGAAT AACAAGTTTA GAAACCCAC GGTGGCGCCT ACGCACGACG
18901 TGACCACAGA CCGGTCCCAG CGTTTGACGC TGCGGTTTCAT CCCTGTGGAC CGTGAGGATA
18961 CTGCGTACTC GTACAAGGCG CGGTTACCC TAGCTGTGGG TGATAACCGT GTGCTGGACA
19021 TGGCTTCCAC GTACTTTGAC ATCCGCGGCG TGCTGGACAG GGGCCCTACT TTTAAGCCCT
19081 ACTCTGGCAC TGCCTACAAC GCCCTGGCTC CCAAGGGTGC CCCAAATCCT TGCGAATGGG
19141 ATGAAGCTGC TACTGCTCTT GAAATAAACC TAGAAGAAGA GGACGATGAC AACGAAGACG
19201 AAGTAGACGA GCAAGCTGAG CAGCAAAAAA CTCACGTATT TGGGCAGGCG CCTTATTCTG
19261 GTATAAATAT TACAAAGGAG GGTATTCAA TAGGTGTGCA AGGTCAAACA CCTAAATATG
19321 CCGATAAAAC ATTTCAACCT GAACCTCAA TAGGAGAATC TCAGTGGTAC GAACTGAAA
19381 TTAATCATGC AGCTGGGAGA GTCCTTAAAA AGACTACCCC AATGAAACCA TGTTACGGTT
19441 CATATGCAAA ACCCACAAT GAAATGGAG GGCAAGGCAT TCTTGTAAG CAACAAAATG
19501 GAAAGCTAGA AAGTCAAGTG GAAATGCAAT TTTTCTCAAC TACTGAGGCG ACCGCAGGCA

FIGURE 22
(SHEET 6)

19561 ATGGTGATAA CTTGACTCCT AAAGTGGTAT TGTACAGTGA AGATGTAGAT ATAGAAACCC
 19621 CAGACACTCA TATTTCTTAC ATGCCCACTA TTAAGGAAGG TAACCTCACGA GAACTAATGG
 19681 GCCAACAAATC TATGCCCAAC AGGCCTAATT ACATTGCTTT TAGGGACAAT TTTATTGGTC
 19741 TAATGTATTA CAACAGCACG GGTAAATATGG GTGTTCTGGC GGGCCAAGCA TCGCAGTTGA
 19801 ATGCTGTTGT AGATTTGCAA GACAGAAACA CAGAGCTTTC ATACCAGCTT TTGCTTGATT
 19861 CCATTGGTGA TAGAACCAGG TACTTTTCTA TGTGGAATCA GGCTGTTGAC AGCTATGATC
 19921 CAGATGTTAG AATTATTGAA AATCATGGAA CTGAAGATGA ACTTCCAAAT TACTGCTTTC
 19981 CACTGGGAGG TGTGATTAAT ACAGAGACTC TTACCAAGGT AAAACCTAAA ACAGGTCAGG
 20041 AAAATGGATG GGAAAAAGAT GCTACAGAAT TTTCAGATAA AAATGAAATA AGAGTTGGAA
 20101 ATAATTTTGC CATGGAAATC AATCTAAATG CCAACCTGTG GAGAAATTTT CTGTACTCCA
 20161 ACATAGCGCT GTATTTGCCC GACAAGCTAA AGTACAGTCC TTCCAACGTA AAAATTTCTG
 20221 ATAACCCAAA CACCTACGAC TACATGAACA AGCGAGTGGT GGCTCCCGGG TTAGTGGACT
 20281 GCTACATTAA CCTTGGAGCA CGCTGGTCCC TTGACTATAT GGACAACGTC AACCCATTTA
 20341 ACCACCACCG CAATGCTGGC CTGCGCTACC GCTCAATGTT GCTGGGCAAT GGTCGCTATG
 20401 TGCCCTTCCA CATCCAGGTG CCTCAGAAAT TCTTTGCCAT TAAAAACCTC CTCTCCTGCG
 20461 CGGGCTCATA CACCTACGAG TGGAACTTCA GGAAGGATGT TAACATGGTT CTGCAGAGCT
 20521 CCCTAGGAAA TGACCTAAGG GTTGACGGAG CCAGCATTAA GTTTGATAGC ATTTGCCTTT
 20581 ACGCCACCTT CTTCCCATG GCCCACAACA CCGCCTCCAC GCTTGAGGCC ATGCTTAGAA
 20641 ACGACACCAA CGACCAGTCC TTAAACGACT ATCTCTCCGC CGCCAACATG CTCTACCCTA
 20701 TACCCGCCAA CGCTACCAAC GTGCCCATAT CCATCCCTC CCGCAACTGG GCGGCTTTCC
 20761 GCGGCTGGGC CTTACGCGC CTTAAGACTA AGGAAACCCC ATCACTGGGC TCGGGCTACG
 20821 ACCCTTATTA CACCTACTCT GGCTCTATAC CCTACCTAGA TGGAACCTTT TACCTCAACC
 20881 ACACCTTTAA GAAGGTGGCC ATTACCTTTG ACTCTTCTGT CAGCTGGCCT GGCAATGACC
 20941 GCCTGCTTAC CCCCAACGAG TTTGAAATTA AGCGCTCAGT TGACGGGGAG GGTTACAACG
 21001 TTGCCCATG TAACATGACC AAAGACTGGT TCCTGGTACA AATGCTAGCT AACTACAACA
 21061 TTGGCTACCA GGGCTTCTAT ATCCCAGAGA GCTACAAGGA CCGCATGTAC TCCTTCTTTA
 21121 GAAACTTCCA GCCCATGAGC CGTCAGGTGG TGGATGATAC TAAATACAAG GACTACCAAC
 21181 AGGTGGGCAT CCTACACCAA CACAACAAC CTGGATTTGT TGGCTACCTT GCCCCACCA
 21241 TGCGCGAAGG ACAGGCCTAC CCTGCTAACT TCCCTATACC GCTTATAGGC AAGACCGCAG
 21301 TTGACAGCAT TACCCAGAAA AAGTTTCTTT GCGATCGCAC CCTTTGGCGC ATCCCATTCT
 21361 CCAGTAACTT TATGTCCATG GGCGCACTCA CAGACCTGGG CCAAAACCTT CTCTACGCCA
 21421 ACTCCGCCCA CGCGCTAGAC ATGACTTTTG AGGTGGATCC CATGGACGAG CCCACCTTC
 21481 TTTATGTTTT GTTTGAAGTC TTTGACGTGG TCCGTGTGCA CCGGCCGCA CGCCACAACA TAAAGAAGCA
 21541 TCGAAACCGT GTACCTGCGC ACGCCCTTCT CGGCCGCAA CGCCACAACA TAAAGAAGCA
 21601 AGCAACATCA ACAACAGCTG CCGCCATGGG CTCCAGTGAG CAGGAACTGA AAGCCATTGT
 21661 CAAAGATCTT GGTGTGGGC CATATTTTTT GGGCACCTAT GACAAGCGCT TTCCAGGCTT
 21721 TGTTCCTCCA CACAAGCTCG CCTGCGCCAT AGTCAATACG GCCGGTCGCG AGACTGGGGG
 21781 CGTACACTGG ATGGCCTTTG CCTGGAACCC GCACTCAAAA ACATGCTACC TCTTTGAGCC
 21841 CTTTGGCTTT TCTGACCAGC GACTCAAGCA GGTTTACCAG TTTGAGTACG AGTCACTCCT
 21901 GCGCCGTAGC GCCATTGCTT CTTCCCCCGA CCGCTGTATA ACGCTGGAAA AGTCCACCCA
 21961 AAGCGTACAG GGGCCCAACT CGGCCGCTG TGGACTATTC TGCTGCATGT TTCTCCACGC
 22021 CTTTGCCAAC TGGCCCCAAA CTCCCATGGA TCACAACCCC ACCATGAACC TTATTACCGG
 22081 GTTACCCAAC TCCATGCTCA ACAGTCCCCA GGTACAGCCC ACCCTGCGTC GCAACAGGA
 22141 ACAGCTCTAC AGCTTCCTGG AGCGCCACTC GCCCTACTTC CGCAGCCACA GTGCGCAGAT
 22201 TAGGAGCGCC ACTTCTTTT GTCACTTGAA AAACATGTAA AAATAATGTA CTAGAGACAC
 22261 TTTCAATAAA GGCAAATGCT TTTATTTGTA CACTCTCGGG TGATTATTTA CCCCCACCT
 22321 TGCCGTCTGC GCCGTTTAAA AATCAAAGGG GTTCTGCCGC GCATCGCTAT GCGCCACTGG
 22381 CAGGGACACG TTGCGATACT GGTGTTTGT GCTCCACTTA AACTCAGGCA CAACCATCCG
 22441 CGGCAGCTCG GTGAAGTTTT CACTCCACAG GCTGCGCACC ATCACCAACG CGTTTAGCAG
 22501 GTCGGGCGCC GATATCTTGA AGTCGCAGTT GGGGCCTCCG CCCTGCGCGC GCGAGTTGCG
 22561 ATACACAGGG TTGCAGCACT GGAACACTAT CAGCGCCGGG TGGTGCACGC TGGCCAGCAC
 22621 GCTCTTGTCG GAGATCAGAT CCGCGTCCAG GTCCTCCGCG TTGCTCAGGG CGAACGGAGT
 22681 CAACTTTGGT AGCTGCCTTC CCAAAAAGGG CGCGTGCCCA GGCTTTGAGT TGCACTCGCA
 22741 CCGTAGTGGC ATCAAAAGGT GACCGTGCCC GGTCTGGGCG TTAGGATACA GCGCCTGCAT
 22801 AAAAGCCTTG ATCTGCTTAA AAGCCACCTG AGCCTTTGCG CCTTCAGAGA AGAACATGCC
 22861 GCAAGACTTG CCGGAAAAC GATTGGCCGG ACAGGCCGCG TCGTGCACGC AGCACCTTGC
 22921 GTCGGTGTTG GAGATCTGCA CCACATTTCC GCCCCACCGG TTCTTCACGA TCTTGGCCTT

FIGURE 22
(SHEET 7)

22981	GCTAGACTGC	TCCTTCAGCG	CGCGCTGCCC	GTTTTCGCTC	GTCACATCCA	TTTCAATCAC
23041	GTGCTCCTTA	TTTATCATAA	TGCTTCCGTG	TAGACACTTA	AGCTCGCCTT	CGATCTCAGC
23101	GCAGCGGTGC	AGCCACAACG	CGCAGCCCGT	GGGCTCGTGA	TGCTTGTAGG	TCACCTCTGC
23161	AAACGACTGC	AGGTACGCCT	GCAGGAATCG	CCCCATCATC	GTCACAAAGG	TCTTGTGCT
23221	GGTGAAGGTC	AGCTGCAACC	CGCGGTGCTC	CTCGTTCAGC	CAGGTCTTGC	ATACGGCCCG
23281	CAGAGCTTCC	ACTTGGTCAG	GCAGTAGTTT	GAAGTTCGCC	TTTAGATCGT	TATCCACGTG
23341	GTACTTGTCC	ATCAGCGCGC	GCGCAGCCTC	CATGCCCTTC	TCCCACGCAG	ACACGATCGG
23401	CACACTCAGC	GGGTTCATCA	CCGTAATTTT	ACTTTCGCT	TCGCTGGGCT	CTTCTCTTC
23461	CTCTTGCGTC	CGCATACCAC	GCGCCACTGG	GTCGTCTTCA	TTCAGCCGCC	GCACTGTGCG
23521	CTTACCTCCT	TTGCCATGCT	TGATTAGCAC	CGGTGGGTTG	CTGAAACCCA	CCATTGTAG
23581	CGCCACATCT	TCTCTTTCTT	CCTCGCTGTC	CACGATTACC	TCTGGTGATG	GCGGGCGCTC
23641	GGGCTTGGA	GAAGGGCGCT	TCTTTTCTT	CCTGGGCGCA	ATGGCCAAAT	CCGCCGCCGA
23701	GGTCGATGGC	CGCGGGCTGG	GTGTGCGCGG	CACCAGCGCG	TCTTGTGATG	AGTCTTCCTC
23761	GTCCTCGGAC	TCGATACGCC	GCCTCATCCG	CTTTTTTGGG	GGCGCCCGGG	GAGGCGGCGG
23821	CGACGGGGAC	GGGGACGACA	CGTCCTCCAT	GGTTGGGGGA	CGTCGCGCCG	CACCGCGTCC
23881	GCGCTCGGGG	GTGGTTTCGC	GCTGCTCCTC	TTCCCGACTG	GCCATTTCTT	TCTCCTATAG
23941	GCAGAAAAAG	ATCATGGAGT	CAGTCGAGAA	GAAGGACAGC	CTAACCGCCC	CCTCTGAGTT
24001	CGCCACCACC	GCCTCCACCG	ATGCCGCCAA	CGCGCCTACC	ACCTTCCCCG	TCGAGGCACC
24061	CCCGCTTGAG	GAGGAGGAAG	TGATTATCGA	GCAGGACCCA	GGTTTTGTAA	GCGAAGACGA
24121	CGAGGACCGC	TCAGTACCAA	CAGAGGATAA	AAAGCAAGAC	CAGGACAACG	CAGAGGCAAA
24181	CGAGGAACAA	GTGGGGCGGG	GGGACGAAAG	GCATGGCGAC	TACCTAGATG	TGGGAGACGA
24241	CGTGCTGTTG	AAGCATCTGC	AGCGCCAGTG	CGCCATTATC	TGCGACGCGT	TGCAAGAGCG
24301	CAGCGATGTG	CCCCTCGCCA	TAGCGGATGT	CAGCCTTGCC	TACGAACGCC	ACCTATTCTC
24361	ACCGCGCGTA	CCCCCCAAAC	GCCAAGAAAA	CGGCACATGC	GAGCCCAACC	CGCGCCTCAA
24421	CTTCTACCCC	GTATTTGCCG	TGCCAGAGGT	GCTTGCCACC	TATCACATCT	TTTTCCAAAA
24481	CTGCAAGATA	CCCCTATCCT	GCCGTGCCAA	CCGCAGCCGA	GCGGACAAGC	AGCTGGCCTT
24541	GCGGCAGGGC	GCTGTCATAC	CTGATATCGC	CTCGCTCAAC	GAAGTGCCAA	AAATCTTTGA
24601	GGGTCTTGGA	CGCGACGAGA	AGCGCGCGGC	AAACGCTCTG	CAACAGGAAA	ACAGCGAAAA
24661	TGAAAGTCAC	TCTGGAGTGT	TGGTGGAAGT	CGAGGGTGAC	AACGCGCGCC	TAGCCGTAAT
24721	AAAACGCAGC	ATCGAGGTCA	CCCACCTTGC	CTACCCGGCA	CTTAACCTAC	CCCCCAAGGT
24781	CATGAGCACA	GTCATGAGTG	AGCTGATCGT	GCGCCGTGCG	CAGCCCTGCG	AGAGGGATGC
24841	AAATTTGCAA	GAACAAACAG	AGGAGGGCCT	ACCCGCAGTT	GGCGACGAGC	AGCTAGCGCG
24901	CTGGCTTCAA	ACGCGCGAGC	CTGCCGACTT	GGAGGAGCGA	CGCAAATAA	TGATGGCCGC
24961	AGTGCTCGTT	ACCGTGAGC	TTGAGTGATC	GCAGCGGTTT	TTTGCTGACC	CGGAGATGCA
25021	CGCAGAGCTA	GAGGAAACAT	TGCACTACAC	CTTTCGACAG	GGCTACGTAC	GCCAGGCCTG
25081	CAAGATCTCC	AACGTGGAGC	TCTGCAACCT	GGTCTCCTAC	CTTGGAATTT	TGCACGAAAA
25141	CCGCCTTGGG	CAAAACGTGC	TTCATTCCAC	GCTCAAGGGC	GAGGCGCGCC	GCGACTACGT
25201	CCGCGACTGC	GTTTACTTAT	TTCTATGCTA	CACCTGGCAG	ACGGCCATGG	GCGTTTGGCA
25261	GCAGTGCTTG	GAGGAGTGCA	ACCTCAAGGA	GCTGCAGAAA	CTGCTAAAGC	AAAACTTGAA
25321	GGACCTATGG	ACGGCCTTCA	ACGAGCGCTC	CGTGGCCGCG	CACCTGGCGG	ACATCATTTT
25381	CCCCGAACGC	CTGCTTAAAA	CCCTGCAACA	GGGTCTGCCA	GACTTCACCA	GTCAAAGCAT
25441	GTTGCAGAAC	TTTAGGAACT	TTATCCTAGA	GCGCTCAGGA	ATCTTGCCCG	CCACCTGCTG
25501	TGCACTTCCT	AGCGACTTTG	TGCCCATTA	GTACCGCGAA	TGCCCTCCGC	CGCTTTGGGG
25561	CCACTGCTAC	CTTCTGCAGC	TAGCCAACTA	CCTTGCTTAC	CACTCTGACA	TAATGGAAGA
25621	CGTGAGCGGT	GACGGTCTAC	TGGAGTGTCA	CTGTGCTGTC	AACCTATGCA	CCCCGCACCG
25681	CTCCCTGGTT	TGCAATTTCG	AGCTGCTTAA	CGAAAGTCAA	ATTATCGGTA	CCTTTGAGCT
25741	GCAGGGTCCC	TCGCCTGACG	AAAAGTCCGC	GGCTCCGGGG	TTGAAACTCA	CTCCGGGGCT
25801	GTGGACGTCG	GCTTACCTTC	GCAAATTTGT	ACCTGAGGAC	TACCACGCCC	ACGAGATTAG
25861	GTTCTACGAA	GACCAATCCC	GCCCGCCAAA	TGCGGAGCTT	ACCGCCTGCG	TCATTACCCA
25921	GGGCCACATT	CTTGCCCAAT	TGCAAGCCAT	CAACAAAGCC	CGCCAAGAGT	TTCTGTACCG
25981	AAAGGGACGG	GGGGTTTACT	TGGACCCCCA	GTCCGGCGAG	GAGCTCAACC	CAATCCCCCC
26041	GCCGCCGACG	CCCTATCAGC	AGCAGCCGCG	GGCCCTTGCT	TCCCAGGATG	GCACCCAAAA
26101	AGAAGCTGCA	GCTGCCGCCG	CCACCCACGG	ACGAGGAGGA	ATACTGGGAC	AGTCAGGCAG
26161	AGGAGGTTTT	GGACGAGGAG	GAGGAGGACA	TGATGGAAGA	CTGGGAGAGC	CTAGACGAGG
26221	AAGCTTCCGA	GGTCGAAGAG	GTGTGACAGC	AAACACCGTC	ACCCTCGGTC	GCATTCCCCT
26281	CGCCGGCGCC	CCAGAAATCG	GCAACCGGTT	CCAGCATGGC	TACAACCTCC	GCTCCTCAGG
26341	CGCCGCCGGC	ACTGCCCGTT	CGCCGACCCA	ACCGTAGATG	GGACACCACT	GGAACCAGGG

FIGURE 22
(SHEET 8)

26401	CCGGTAAGTC	CAAGCAGCCG	CCGCCGTTAG	CCCAAGAGCA	ACAACAGCGC	CAAGGCTACC
26461	GCTCATGGCG	CGGGCACAAG	AACGCCATAG	TTGCTTGCTT	GCAAGACTGT	GGGGGCAACA
26521	TCTCCTTCGC	CCGCCGCTTT	CTTCTCTACC	ATCACGGCGT	GGCCTTCCCC	CGTAACATCC
26581	TGCATTACTA	CCGTCATCTC	TACAGCCCAT	ACTGCACCGG	CGGCAGCGGC	AGCGGCAGCA
26641	ACAGCAGCGG	CCACACAGAA	GCAAAGGCGA	CCGGATAGCA	AGACTCTGAC	AAAGCCCCAAG
26701	AAATCCACAG	CGGCGGCAGC	AGCAGGAGGA	GGAGCGCTGC	GTCTGGCGCC	CAACGAACCC
26761	GTATCGACCC	GCGAGCTTAG	AAACAGGATT	TTTCCCACTC	TGTATGCTAT	ATTTC AACAG
26821	AGCAGGGGCC	AAGAACAAGA	GCTGAAAATA	AAAAACAGGT	CTCTGCGATC	CCTCACC CGC
26881	AGCTGCCTGT	ATCACAAAAG	CGAAGATCAG	CTTCGGCGCA	CGCTGGAAGA	CGCGGAGGCT
26941	CTCTTCAGTA	AATACTGCGC	GCTGACTCTT	AAGGACTAGT	TTCGCGCCCT	TTCTCAAATT
27001	TAAGCGCGAA	AACTACGTCA	TCTCCAGCGG	CCACACCCGG	CGCCAGCACC	TGTCGTCAGC
27061	GCCATTATGA	GCAAGGAAAT	TCCCACGCCC	TACATGTGGA	GTTACCAGCC	ACAAATGGGA
27121	CTTGCGGCTG	GAGCTGCCCA	AGACTACTCA	ACCCGAATAA	ACTACATGAG	CGCGGGACCC
27181	CACATGATAT	CCCGGGTCAA	CGGAATCCCG	GCCCACCGAA	ACCGAATTCT	CTTGGAACAG
27241	GCGGCTATTA	CCACCACACC	TCGTAATAAC	CTTAATCCCC	GTAGTTGGCC	CGCTGCCCTG
27301	GTGTACCAGG	AAAGTCCCGC	TCCCACCACT	GTGGTACTTC	CCAGAGACGC	CCAGGCCGAA
27361	GTTTCAGATGA	CTAACTCAGG	GGCGCAGCTT	GCGGGCGGCT	TTCGTCACAG	GGTGGGTCG
27421	CCCGGGCAGG	GTATAACTCA	CCTGACAATC	AGAGGGCGAG	GTATTTCAGCT	CAACGACGAG
27481	TCGGTGAGCT	CCTCGCTTGG	TCTCCGTCCG	GACGGGACAT	TTCAGATCGG	CGGCGCCGGC
27541	CGTCCTTCAT	TCACGCCTCG	TCAGGCAATC	CTAACTCTGC	AGACCTCGTC	CTCTGAGCCG
27601	CGCTCTGGAG	GCATTGGAAC	TCTGCAATTT	ATTGAGGAGT	TTGTGCCATC	GGTCTACTTT
27661	AACCCCTTCT	CGGGACCTCC	CGGCCACTAT	CCGGATCAAT	TTATTCTTAA	CTTTGACGCG
27721	GTAAAGGACT	CGGCGGACGG	CTACGACTGA	TAATTAAGTG	GAGAGGCAGA	GCAACTGCGC
27781	CTGAAACACC	TGGTCCACTG	TCGCCGCCAC	AAGTGCTTTG	CCCGCGACTC	CGGTGAGTTT
27841	TGCTACTTTG	AATTGCCCCG	GGATCATATC	GAGGATCTTT	GTTGCCATCT	CTGTGCTGAG
27901	TATAATAAAT	ACAGAAATTA	AAATATACTG	GGGCTCCTAT	CGCCATCCTG	TAAACGCCAC
27961	CGTCTTCACC	CGCCCAAGCA	AACCAAGGCG	AACCTTACCT	GGTACTTTTA	ACATCTCTCC
28021	CTCTGTGATT	TACAACAGTT	TCAACCCAGA	CGGAGTGAGT	CTACGAGAGA	ACCTCTCCGA
28081	GCTCAGCTAC	TCCATCAGAA	AAAACACCAC	CCTCCTTACC	TGCCGGGAAC	GTACCCTTAA
28141	TTAAAAGTCA	GGCTTCCTGG	ATGTCAGCAT	CTGACTTTGG	CCAGCACCTG	TCCC GCGGAT
28201	TTGTTCCAGT	CCAACACAG	CGACCCACCC	TAACAGAGAT	GACCAACACA	ACCAACGCGG
28261	CCGCCGCTAC	CGGACTTACA	TCTACCACAA	ATACACCCCA	AGTTTCTGCC	TTTGTC AATA
28321	ACTGGGATAA	CTTGGGCATG	TGGTGGTTCT	CCATAGCGCT	TATGTTTGTA	TGCCTTATTA
28381	TTATGTGGCT	CATCTGCTGC	CTAAAGCGCA	ACGCGCCCCG	ACCACCCATC	CTATGTC CCA
28441	TCATTGTGCT	ACACCCAAAC	AATGATGGAA	TCCATAGATT	GGACGGACTG	AAACACATGT
28501	TCCTTTCTCT	TACAGTATGA	TTAAATGAGA	TTAATTAAGG	AATTTCTGTC	CAGTTTATTC
28561	AGTCAGACCT	CCTTGCCCTC	CTCCCAGCTC	TGGTATTGCA	GCTTCCTCCT	GGCTGCAAAC
28621	TTTCTCCACA	ATCTAAATGG	AATGTCAGTT	TCCTCCTGTT	CCTGTCCATC	CGCACC CACT
28681	ATCTTCATGT	TGTTGCAGAT	GAAGCGCGCA	AGACCGTCTG	AAGATACCTT	CAACCCCGTG
28741	TATCCATATG	ACACGGAAAC	CGGTCCCTCA	ACTGTGCCTT	TTCTTACTCC	TCCCTTTGTA
28801	TCCCCCAATG	GGTTTCAAGA	GAGTCCCCCT	GGGGTACTCT	CTTTGCGCCT	ATCCGAACCT
28861	CTAGTTACCT	CCAATGGCAT	GCTTGCGCTC	AAAATGGGCA	ACGGCCTCTC	TCTGGACGAG
28921	GCCGGCAACC	TTACCTCCCA	AAATGTAACC	ACTGTGAGCC	CACCTCTCAA	AAAAACCAAG
28981	TCAAACATAA	ACCTGGAAAT	ATCTGCACCC	CTCAGAGTTA	CCTCAGAAGC	CCTAACTGTG
29041	GCTGCCGCCG	CACCTCTAAT	GGTCGCGGGC	AACACACTCA	CCATGCAATC	ACAGGCCCCG
29101	CTAACCGTGC	ACGACTCCAA	ACTTAGCATT	GCCACCCAAG	GACCCCTCAC	AGTGTCAGAA
29161	GGAAAGCTAG	CCCTGCAAAC	ATCAGGCCCC	CTCACCACCA	CCGATAGCAG	TACCCTTACT
29221	ATCACTGCCT	CACCCCTCT	AACTACTGCC	ACTGGTAGCT	TGGGCATTGA	CTTGAAAGAG
29281	CCCATTTATA	CACAAAATGG	AAAAC TAGGA	CTAAAGTACG	GGGCTCCTTT	GCATGTAACA
29341	GACGACCTAA	ACACTTTGAC	CGTAGCAACT	GGTCCAGGTG	TGACTATTAA	TAATACTTCC
29401	TTGCAAAC TA	AAGTTACTGG	AGCCTTGGGT	TTTGATTAC	AAGGCAATAT	GCAACTTAAT
29461	GTAGCAGGAG	GACTAAGGAT	TGATTCTCAA	AACAGACGCC	TTATACTTGA	TGTTAGTTAT
29521	CCGTTTGATG	CTCAAAACCA	ACTAAATCTA	AGACTAGGAC	AGGCCCTCT	TTTTATAAAC
29581	TCAGCCCACA	ACTTGATAT	TAAC TACAAC	AAAGGCCTTT	ACTTGTTTAC	AGCTTCAAAC
29641	AATTCCAAAA	AGCTTGAGGT	TAACTAAGC	ACTGCCAAGG	GGTTGATGTT	TGACGCTACA
29701	GCCATAGCCA	TTAATGCAGG	AGATGGGCTT	GAATTTGGTT	CACCTAATGC	ACCAAACACA
29761	AATCCCTCA	AAACAAAAT	TGGCCATGGC	CTAGAATTTG	ATTCAAACAA	GGCTATGGTT

FIGURE 22
(SHEET 9)

29821 CCTAAACTAG GAACTGGCCT TAGTTTTGAC AGCACAGGTG CCATTACAGT AGGAAACAAA
29881 AATAATGATA AGCTAACTTT GTGGACCACA CCAGCTCCAT CTCCTAACTG TAGACTAAAT
29941 GCAGAGAAAG ATGCTAAACT CACTTTGGTC TTAACAAAAT GTGGCAGTCA AATACTTGCT
30001 ACAGTTTCAG TTTTGGCTGT TAAAGGCAGT TTGGCTCCAA TATCTGGAAC AGTTCAAAGT
30061 GCTCATCTTA TTATAAGATT TGACGAAAAT GGAGTGCTAC TAAACAATTC CTTCTGGAC
30121 CCAGAATATT GGAACCTTAG AAATGGAGAT CTTACTGAAG GCACAGCCTA TACAAACGCT
30181 GTTGGATTTA TGCCTAACCT ATCAGCTTAT CCAAAATCTC ACGGTAAAC TGCCAAAAGT
30241 AACATTGTCA GTCAAGTTTA CTAAACGGA GACAAAACCTA AACCTGTAAC ACTAACCATT
30301 AACTAAACG GTACACAGGA AACAGGAGAC ACAACTCCAA GTGCATACTC TATGTCATTT
30361 TCATGGGACT GGTCTGGCCA CAACTACATT AATGAAATAT TTGCCACATC CTCTTACACT
30421 TTTTCATACA TTGCCCAAGA ATAAAGAATC GTTTGTGTTA TGTTTCAACG TGTTTATTTT
30481 TCAATTGCAG AAAATTTCAA GTCATTTTTC ATTCAGTAGT ATAGCCCCAC CACCACATAG
30541 CTTATACAGA TCACCGTACC TTAATCAAAC TCACAGAACC CTAGTATTCA ACCTGCCACC
30601 TCCCTCCCAA CACACAGAGT ACAGACATAT TCTTAGGTGT TATATTCCAC ACGGTTTCCT GTCGAGCCAA
30661 ATCATGGGTA ACAGACATAT TCTTAGGTGT TATATTCCAC ACGGTTTCCT GTCGAGCCAA
30721 ACAGCTCATCA GTGATATTAA TAAACTCCCC GGGCAGCTCA CTTAAGTTCA TGTCGCTGTC
30781 CAGCTGCTGA GCCACAGGCT GCTGTCCAAC TTGCGGTTGC TTAACGGGCG GCGAAGGAGA
30841 AGTCCACGCC TACATGGGGG TAGAGTCATA ATCGTGCATC AGGATAGGGC GGTGGTGCTG
30901 CAGCAGCGCG CGAATAAACT GCTGCCGCCG CCGCTCCGTC CTGCAGGAAT ACAACATGGC
30961 AGTGGTCTCC TCAGCGATGA TTCGCACCGC CCGCAGCATA AGGCGCCTTG TCCTCCGGGC
31021 ACAGCAGCGC ACCCTGATCT CACTTAAATC AGCACAGTAA CTGCAGCACA GCACCAAAAT
31081 ATTGTTCAAA ATCCACAGT GCAAGGCGCT GTATCCAAAG CTCATGGCGG GGACCACAGA
31141 ACCCACGTGG CCATCATACC ACAAGCGCAG GTAGATTAAAG TGGCGACCCC TCATAAACAC
31201 GCTGGACATA AACATTACCT CTTTGGCAT GTTGTAATTC ACCACCTCCC GGTACCATAT
31261 AAACCTCTGA TTAAACATGG CGCCATCCAC CACCATCCTA AACCAGCTGG CCAAAACCTG
31321 CCCGCCGGCT ATACACTGCA GGGAAACCGG ACTGGAACAA TGACAGTGGA GAGCCCAGGA
31381 CTCGTAACCA TGGATCATCA TGCTCGTCAT GATATCAATG TTGGCACAAC ACAGGCACAC
31441 GTGCATACAC TTCCTCAGGA TTACAAGCTC CTCCCGCGTT AGAACCATAT CCCAGGGAAC
31501 AACCATTCC TGAATCAGCG TAAATCCCAC ACTGCAGGGA AGACCTCGCA CGTAACTCAC
31561 GTTGTGCATT GTCAAAGTGT TACATTCGGG CAGCAGCGGA TGATCCTCCA GTATGGTAGC
31621 GCGGGTTTCT GTCTCAAAAG GAGGTAGACG ATCCCTACTG TACGGAGTGC GCCGAGACAA
31681 CCGAGATCGT GTTGGTCGTA GTGTCATGCC AAATGGAACG CCGGACGTAG TCATATTTCC
31741 TGAAGCAAAA CCAGGTGCGG GCGTGACAAA CAGATCTGCG TCTCCGTTCT CGCCGCTTAG
31801 ATCGCTCTGT GTAGTAGTTG TAGTATATCC ACTCTCTCAA AGCATCCAGG CGCCCCCTGG
31861 CTTCCGGGTTT TATGTAAACT CTTTATGCG CCGCTGCCCT GATAACATCC ACCACCGCAG
31921 AATAAGCCAC ACCCAGCCAA CCTACACATT CGTTCTGCGA GTCACACACG GGAGGAGCGG
31981 GAAGAGCTGG AAGAACCATG TTTTTTTTTT TATTCAAAA GATTATCCAA AACCTCAAAA
32041 TGAAGATCTA TTAAGTGAAC GCGCTCCCCT CCGGTGGCGT GGTCAAACTC TACAGCCAAA
32101 GAACAGATAA TGGCATTGTG AAGATGTGTC ACAATGGCTT CCAAAGGCA AACGGCCCTC
32161 ACGTCCAAGT GGACGTAAAG GCTAAACCTT TCAGGGTGAA TCTCCTCTAT AAACATTCCA
32221 GCACCTTCAA CCATGCCCAA ATAATTCTCA TCTCGCCACC TTCTCAATAT ATCTCTAAGC
32281 AAATCCCGAA TATTAAGTCC GGCCATTGTA AAAATCTGCT CCAGAGCGCC CTCACAGACC TGTATAAGAT
32341 AGCCTCAAGC AGCGAATCAT GATTGCAAAA ATTCAGGTTT CTCACAGACC TGTATAAGAT
32401 TCAAAAGCGG AACATTAACA AAAATACCGC GATCCCGTAG GTCCCTTCGC AGGGCCAGCT
32461 GAACATAATC GTGCAGGTCT GCACGGACCA GCGCGGCCAC TTCCCGCCA GGAACCTTGA
32521 CAAAAGAACC CACACTGATT ATGACACGCA TACTCGGAGC TATGCTAACC AGCGTAGCCC
32581 CGATGTAAGC TTTGTTGCAT GGGCGGCGAT ATAAAATGCA AGGTGCTGCT CAAAAATCA
32641 GGCAAGCCT CGCGCAAAAA AGAAAGCACA TCGTAGTCAT GCTCATGCAG ATAAAGGCAG
32701 GTAAGCTCCG GAACCACCAC AGAAAAAGAC ACCATTTTTT TCTCAAACAT GTCTGCGGGT
32761 TTCTGCATAA ACACAAAATA AAATAACAAA AAAACATTTA AACATTAGAA GCCTGTCTTA
32821 CAACAGGAAA AACAACCCTT ATAAGCATAA GACGGACTAC GGCCATGCCG GCGTGACCGT
32881 AAAAAAAGT GTCACCGTGA TTA AAAAGCA CCACCGACAG CTCCTCGGTC ATGTCCGGAG
32941 TCATAATGTA AGACTCGGTA ACACATCAG GTTGATTCAT CGGTCAAGTGC TAAAAAGCGA
33001 CCGAAATAGC CCGGGGGAAT ACATACCCGC AGGCGTAGAG ACAACATTAC AGCCCCATA
33061 GGAGGTATTA CAAAATTAAT AGGAGAGAAA AACACATAAA CACCTGAAAA ACCCTCCTGC
33121 TAGGCCAAAA TAGCACCCTC CCGCTCCAGA ACAACATACA GCGCTTCACA GCGGCAGCCT
33181 AACAGTCAGC CTTACCAGTA AAAAAGAAAA CCTATTAAAA AAACACCACT CGACACGGCA

FIGURE 22
(SHEET 10)

33241	CCAGCTCAAT	CAGTCACAGT	GTAAAAAAGG	GCCAAGTGCA	GAGCGAGTAT	ATATAGGACT
33301	AAAAAATGAC	GTAACGGTTA	AAGTCCACAA	AAAACACCCA	GAAAACCGCA	CGCGAACCTA
33361	CGCCCAGAAA	CGAAAGCCAA	AAAACCCACA	ACTTCCTCAA	ATCGTCACTT	CCGTTTTCCC
33421	ACGTTACGTA	ACTTCCCATT	TTAAGAAAAC	TACAATTCCC	AACACATACA	AGTTACTCCG
33481	CCCTAAAACC	TACGTCACCC	GCCCCGTTCC	CACGCCCCGC	GCCACGTCAC	AAACTCCACC
33541	CCCTCATTAT	CATATTGGCT	TCAATCCAAA	ATAAGGTATA	TTATTGATGA	TG

FIGURE 22
(SHEET 11)

LOCUS KD3 34341 bp DNA SYN 06-FEB-1999
 DEFINITION KD3
 ACCESSION KD3
 KEYWORDS .
 SOURCE Unknown.
 ORGANISM Unknown
 Unclassified.
 REFERENCE 1 (bases 1 to 34341)
 AUTHORS Self
 JOURNAL Unpublished.
 FEATURES Location/Qualifiers
 CDS 1..34341
 /gene="KD3"
 /product="KD3"
 BASE COUNT 7951 a 9671 c 9464 g 7255 t
 ORIGIN

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1 CATCATCAAT AATATACCTT ATTTTGGATT GAAGCCAATA TGATAATGAG GGGGTGGAGT
61 TTGTGACGTG GCGCGGGGCG TGGGAACGGG GCGGGTGACG TAGTAGTGTG GCGGAAGTGT
121 GATGTTGCAA GTGTGGCGGA ACACATGTAA GCGACGGATG TGGCAAAAGT GACGTTTTTG
181 GTGTGCGCCG GTGTACACAG GAAGTGACAA TTTTCGCGCG GTTTTAGGCG GATGTTGTAG
241 TAAATTTGGG CGTAACCGAG TAAGATTTGG CCATTTTCGC GGGAAACTG AATAAGAGGA
301 AGTGAAATCT GAATAATTTT GTGTTACTCA TAGCGCGTAA TATTTGTCTA GGGCCGCGGG
361 GACTTTGACC GTTTACGTGG AGACTCGCCC AGGTGTTTTT CTCAGGTGTT TTCCGCGTTC
421 CGGGTCAAAG TTGGCGTTTT ATTATTATAG TCAGCTGACG TGTAGTGTAT TTATACCCGG
481 TGAGTTCCTC AAGAGGCCAC TCTTGAGTGC CAGCGAGTAG AGTTTTCTCC TCCGAGCCGC
541 TCCGACACCG GGAAGTGAAG TGAGACATGA GGTACTGGCT GATAATCTTC CACCTCCTAG
601 CCATTTTGAA CCACCTACCC TTCACGAACT GTATGATTTA GACGTGACGG CCCCCGAAGA
661 TCCCAACGAG GAGGCGGTTT CGCAGATTTT TCCCGACTCT GTAATGTTGG CGGTGCAGGA
721 AGGGATTGAC TTAATCACTT TTCCGCGGCG GCCCGGTTCT CCGGAGCCGC CTCACCTTTC
781 CCGGCAGCCC GAGCAGCCGG AGCAGAGAGC CTGGGGTCCG GTTTGCCACG AGGCTGGCTT
841 TCCACCCAGT GACGACGAGG ATGAAGAGGG TGAGGAGTTT GTGTTAGATT ATGTGGAGCA
901 CCCCAGGCAC GGTGTCAGGT CTGTGCTATA TCACCGGAGG AATACGGGGG ACCCAGATAT
961 TATGTGTTTC CTTTGCTATA TGAGGACCTG TGGCATGTTT GTCTACAGTA AGTGAAAATT
1021 ATGGGCAGTG GGTGATAGAG TGGTGGGTTT GGTGTGGTAA TTTTTTTTTT AATTTTTTACA
1081 GTTTTGTGGT TTAAAGAATT TTGTATTGTG ATTTTTTTTAA AAGGTCTCTG GTCTGAACCT
1141 GAGCCTGAGC CCGAGCCAGA ACCGGAGCCT GCAAGACCTA CCGCCGTCC TAAAATGGCG
1201 CCTGCTATCC TGAGACGCCC GACATCACCT GTGTCTAGAG AATGCAATAG TAGTACGGAT
1261 AGCTGTGACT CCGGTCCCTC TAACACACCT CCTGAGATAC ACCCGGTGGT CCCGCTGTGC
1321 CCCATTAAAC CAGTTGCCGT GAGAGTTGGT GGGCGTCGCC AGGCTGTGGA ATGTATCGAG
1381 GACTTGCTTA ACGAGCCTGG GCAACCTTTG GACTTGAGCT GTAAACGCCC CAGGCCATAA
1441 GGTGTAAACC TGTGATTGCG TGTGTGGTTA ACGCCTTTGT TTGCTGAATG AGTTGATGTA
1501 AGTTTAATAA AGGGTGAGAT AATGTTTAACT TTGCATGGCG TGTAAATGG GCGGGGGCTT
1561 AAAGGGTATA TAATGCGCCG TGGGCTAATC TTGGTTACAT CTGACCTCAT GGAGGCTTGG
1621 GAGTGTGTTG AAGATTTTTT TGCTGTGCGT AACTTGCTGG AACAGAGCTC TAACAGTACC
1681 TCTTGGTTTT GGAGGTTTTT GTGGGGCTCA TCCCAGGCAA AGTTAGTCTG CAGAATTAAG
1741 GAGGATTACA AGTGGGAATT TGAAGAGCTT TTGAAATCCT GTGGTGAGCT GTTTGATTCT
1801 TTGAATCTGG GTCACCAGGC GCTTTTCCAA GAGAAGGTCA TCAAGACTTT GGATTTTTTC
1861 ACACCGGGGC GCGCTGCGGC TGCTGTTGCT TTTTGTAGTT TTATAAAGGA TAAATGGAGC
1921 GAAGAAACCC ATCTGAGCGG GGGGTACCTG CTGGATTTTC TGGCCATGCA TCTGTGGAGA
1981 GCGGTTGTGA GACACAAGAA TCGCCTGCTA CTGTTGTCTT CCGTCCGCCC GGCGATAATA
2041 CCGACGGAGG AGCAGCAGCA GCAGCAGGAG GAAGCCAGGC GCGGCGGCA GGAGCAGAGC
2101 CCATGGAACC CGAGAGCCGG CCTGGACCCT CGGGAATGAA TGTTGTACAG GTGGCTGAAC
2161 TGTATCCAGA ACTGAGACGC ATTTTGACAA TTACAGAGGA TGGGCAGGGG CTAAGGGGG
2221 TAAAGAGGGA GCGGGGGGCT TGTGAGGCTA CAGAGGAGGC TAGGAATCTA GCTTTTAGCT
2281 TAATGACCAG ACACCGTCCCT GAGTGTATTA CTTTCAACA GATCAAGGAT AATTGCGCTA
2341 ATGAGCTTGA TCTGCTGGCG CAGAAGTATT CCATAGAGCA GCTGACCACT TACTGGCTGC
2401 AGCCAGGGGA TGATTTTGAG GAGGCTATTA GGGTATATGC AAAGGTGGCA CTTAGGCCAG
  
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FIGURE 23
 (SHEET 1)

2461 ATTGCAAGTA CAAGATCAGC AAACCTGTAA ATATCAGGAA TTGTTGCTAC ATTTCTGGGA
 2521 ACGGGGCCGA GGTGGAGATA GATACGGAGG ATAGGGTGGC CTTTAGATGT AGCATGATAA
 2581 ATATGTGGCC GGGGGTGCTT GGCATGGACG GGGTGGTTAT TATGAATGTA AGGTTTACTG
 2641 GCCCAATTT TAGCGGTACG GTTTTCCTGG CCAATACCAA CCTTATCCTA CACGGTGTAA
 2701 GCTTCTATGG GTTTAACAAT ACCTGTGTGG AAGCCTGGAC CGATGTAAGG GTTCGGGGCT
 2761 GTGCCTTTTA CTGCTGCTGG AAGGGGGTGG TGTGTCGCCC CAAAAGCAGG GCTTCAATTA
 2821 AGAAATGCCT CTTTGAAAGG TGTACCTTGG GTATCCTGTC TGAGGGTAAC TCCAGGGTGC
 2881 GCCACAATGT GGCCTCCGAC TGTGGTTGCT TCATGCTAGT GAAAAGCGTG GCTGTGATTA
 2941 AGCATAACAT GGTATGTGGC AACTGCGAGG ACAGGGCCTC TCAGATGCTG ACCTGCTCGG
 3001 ACGGCAACTG TCACCTGCTG AAGACCATTG ACGTAGCCAG CCACTCTCGC AAGGCCTGGC
 3061 CAGTGTTTGA GCATAACATA CTGACCCGCT GTTCCTTGCA TTTGGGTAAC AGGAGGGGGG
 3121 TGTTCCTACC TTACCAATGC AATTTGAGTC AACTAAGAT ATTGCTTGAG CCCGAGAGCA
 3181 TGTCCAAGGT GAACCTGAAC GGGGTGTTTG ACATGACCAT GAAGATCTGG AAGGTGCTGA
 3241 GGTACGATGA GACCCGCACC AGGTGCAGAC CCTGCGAGTG TGGCGGTAAA CATATTAGGA
 3301 ACCAGCCTGT GATGCTGGAT GTGACCGAGG AGCTGAGGCC CGATCACTTG GTGCTGGCCT
 3361 GCACCCGCGC TGAGTTTGGC TCTAGCGATG AAGATACAGA TTGAGGTACT GAAATGTGTG
 3421 GGCGTGGCTT AAGGGTGGGA AAGAATATAT AAGGTGGGGG TCTTATGTAG TTTTGTATCT
 3481 GTTTTGACAGC AGCCGCCGCC GCCATGAGCA CCAACTCGTT TGATGGAAGC ATTGTGAGCT
 3541 CATATTTGAC AACCGCGATG CCCCCATGGG CCGGGGTGCG TCAGAATGTG ATGGGCTCCA
 3601 GCATTGATGG TCGCCCCGTC CTGCCCGCAA ACTCTACTAC CTTGACCTAC GAGACCGTGT
 3661 CTGGAACGCC GTTGGAGACT GCAGCCCTCG CCGCCGCTTC AGCCGCTGCA GCCACCGCCC
 3721 GCGGGATTGT GACTGACTTT GCTTTCCTGA GCCCGCTTGC AAGCAGTGCA GCTTCCCGTT
 3781 CATCCGCCCC CGATGACAAG TTGACGGCTC TTTTGGCACA ATTGGATTCT TTGACCCGGG
 3841 AACTTAATGT CGTTTCTCAG CAGCTGTTGG ATCTGCGCCA GCAGGTTTCT GCCCTGAAGG
 3901 CTTCTCCCC TCCCAATGCG GTTTAAACA TAAATAAAAA ACCAGACTCT GTTTGGATTT
 3961 GGATCAAGCA AGTGTCTTGC TGTCTTTATT TAGGGGTTTT GCGCGCGCGG TAGGCCCGGG
 4021 ACCAGCGGTC TCGGTCGTTG AGGGTCCTGT GTATTTTTTC CAGGACGTGG TAAAGGTGAC
 4081 TCTGGATGTT CAGATACATG GGCATAAGCC CGTCTCTGGG GTGGAGGTAG CACCACTGCA
 4141 GAGCTTCATG CTGCGGGGTG GTGTTGTAGA TGATCCAGTC GTAGCAGGAG CGCTGGGCGT
 4201 GGTGCCTAAA AATGTCTTTC AGTAGCAAGC TGATTGCCAG GGGCAGGCCC TTGGTGTAAG
 4261 TGTTTACAAA GCGGTTAAGC TGGGATGGGT GCATACGTGG GGATATGAGA TGCATCTTGG
 4321 ACTGTATTTT TAGGTTGGCT ATGTTCCAG CCATATCCCT CCGGGGATTC ATGTTGTGCA
 4381 GAACCAACCG CACAGTGTAT CCGGTGCACT TGGGAAATTT GTCATGTAGC TTAGAAGGAA
 4441 ATGCGTGGAA GAACCTGGAG ACGCCCTTGT GACCTCCAAG ATTTTCCATG CATTCGTCCA
 4501 TAATGATGGC AATGGGCCCC CGGGCGGCGG CCTGGGCGAA GATATTTCTG GGATCACTAA
 4561 CGTCATAGTT GTGTTCCAGG ATGAGATCGT CATAGGCCAT TTTTACAAAG CGCGGGCGGA
 4621 GGGTGCCAGA CTGCGGTATA ATGTTCCAT CCGGCCAGG GGCGTAGTTA CCCTCACAGA
 4681 TTTGCATTTT CCACGCTTGT AGTTCAGATG GGGGGATCAT GTCTACCTGC GGGGCGATGA
 4741 AGAAAACGGT TTCCGGGGTA GGGGAGATCA GCTGGGAAGA AAGCAGGTTT CTGAGCAGCT
 4801 GCGACTTACC GCAGCCGGTG GGCCCGTAAA TCACACCTAT TACCGGGTGC AACTGGTAGT
 4861 TAAGAGAGCT GCAGCTGCCG TCATCCCTGA GCAGGGGGGC CACTTCGTTA AGCATGTCCC
 4921 TGAATCGCAT GTTTTCCCTG ACCAAATCCG CCAGAAGGCG CTCGCCGCCC AGCGATAGCA
 4981 GTTCTTGCAA GGAAGCAAAG TTTTCAACG GTTTGAGACC GTCCGCCGTA GGCATGCTTT
 5041 TGAGCGTTTG ACCAAGCAGT TCCAGGCGGT CCCACAGCTC GGTCACCTGC TCTACGGCAT
 5101 CTCGATCCAG CATATCTCCT CGTTTCGCGG GTTGGGGCGG CTTTCGCTGT ACGGCAGTAG
 5161 TCGGTGCTCG TCCAGACGGG CCAGGGTCAT GTCCTTCCAC GGGCGCAGGG TCCTCGTCAG
 5221 CGTAGTCTGG GTACAGGTGA AGGGGTGCGC TCCGGGCTGC GCGCTGGCCA GGGTGCGCTT
 5281 GAGGCTGGTC CTGCTGGTGC TGAAGCGCTG CCGGTCTTCG CCCTGCGCGT CGGCCAGGTA
 5341 GCATTTGACC ATGGTGTCTG AGTCCAGCCC CTCCGCGGCG TGGCCCTTGG CGCGCAGCTT
 5401 GCCCTTGGAG GAGGCGCCGC ACGAGGGGCA GTGCAGACTT TTGAGGGCGT AGAGCTTGGG
 5461 CGCGAGAAAT ACCGATTCCG GGGAGTAGGC ATCCGCGCCG CAGGCCCCGC AGACGGTCTC
 5521 GCATTCCACG AGCCAGGTGA GCTCTGGCCG TTCGGGGTCA AAAACCAGGT TTCCCCATG
 5581 CTTTTTGATG CGTTTCTTAC CTCTGGTTTC CATGAGCCGG TGTCCACGCT CGGTGACGAA
 5641 AAGGCTGTCC GTGTCCCCGT ATACAGACTT GAGAGGCCTG TCCTCGAGCG GTGTTCCGCG
 5701 GTCCTCTCTG TATAGAACT CGGACCACTC TGAGACAAAG GCTCGCGTCC AGGCCAGCAC
 5761 GAAGGAGGCT AAGTGGGAGG GGTAGCGGTC GTTGTTCACT AGGGGGTCCA CTCGCTCCAG
 5821 GGTGTGAAGA CACATGTCGC CCTCTTCGGC ATCAAGGAAG GTGATTGGTT TGTAGGTGTA

FIGURE 23
(SHEET 2)

5881 GGCCACGTGA CCGGGTGTTC CTGAAGGGG GCTATAAAAG GGGGTGGGG CGCGTTCGTC.
5941 CTCACTCTCT TCCGCATCGC TGTCTGCGAG GGCCAGCTGT TGGGGTGAGT ACTCCCTCTG
6001 AAAAGCGGGC ATGACTTCTG CGCTAAGATT GTCAGTTTCC AAAAACGAGG AGGATTTGAT
6061 ATTCACCTGG CCCGCGGTGA TGCCTTTGAG GGTGGCCGCA TCCATCTGGT CAGAAAAGAC
6121 AATCTTTTTG TTGTCAAGCT TGGTGGCAAA CGACCCGTAG AGGGCGTTGG ACAGCAACTT
6181 GGCGATGGAG CGCAGGGTTT GGTTTTTGTG GCGATCGGCG CGCTCCTTGG CCGCGATGTT
6241 TAGCTGCACG TATTCGCGCG CAACGCACCG CCATTCCGGA AAGACGGTGG TGCCTCGTC
6301 GGGCACCAGG TGCACGCGCC AACC GCGGTT GTGCAGGGTG ACAAGGTCAA CGCTGGTGGC
6361 TACCTCTCCG CGTAGGCGCT CGTTGGTCCA GCAGAGGCGG CCGCCCTTGC GCGAGCAGAA
6421 TGGCGGTAGG GGGTCTAGCT GCGTCTCGTC CCGGGGGTCT GCGTCCACGG TAAAGACCCC
6481 GGGCAGCAGG CGCGCGTCGA AGTAGTCTAT CTTGCATCCT TGCAAGTCTA GCGCCTGCTG
6541 CCATGCGCGG GCGGCAAGCG CGCGGCTCGTA TGGGTTGAGT GGGGGACCCC ATGGCATGGG
6601 GTGGGTGAGC GCGGAGGCGT ACATGCCGCA AATGTCGTAA ACGTAGAGGG GCTCTCTGAG
6661 TATTCCAAGA TATGTAGGGT AGCATCTTCC ACCGCGGATG CTGGCGCGCA CGTAATCGTA
6721 TAGTTCGTGC GAGGGAGCGA GGAGGTCGGG ACCGAGGTTG CTACGGGCGG GCTGCTCTGC
6781 TCGGAAGACT ATCTGCCTGA AGATGGCATG TGAGTTGGAT GATATGGTTG GACGCTGGAA
6841 GACGTTGAAG CTGGCGTCTG TGAGACCTAC CGCGTCACGC ACGAAGGAGG CGTAGGAGTC
6901 GCGCAGCTTG TTGACCAGCT CCGCGGTGAC CTGCACGTCT AGGGCGCAGT AGTCCAGGGT
6961 TTCTTGATG ATGTCATACT TATCCTGTCC CTTTTTTTTT CACAGCTCGC GGTGAGGAC
7021 AAACCTCTCG CCGTCTTTCC AGTACTCTTG GATCGGAAAC CCGTCCGCTT CCGAACGGTA
7081 AGAGCCTAGC ATGTAGAACT GGTGACGGC CTGGTAGGCG CAGCATCCCT TTTCTACGGG
7141 TAGCGGTAT GCCTGCGCGG CCTTCCGGAG CGAGGTGTGG GTGAGCGCAA AGGTGTCCCT
7201 GACCATGACT TTGAGGTACT GGTATTTGAA GTGAGTGTG TCGCATCCGC CTTGCTCCCA
7261 GAGCAAAAAG TCCGTGCGCT TTTTGAACG CGGATTTGGC AGGGCGAAGG TGACATCGTT
7321 GAAGAGTATC TTTCCGCGC GAGGCATAAA GTTGCCTGTG ATGCGGAAGG GTCCCGGCAC
7381 CTCGGAACGG TTGTTAATTA CCTGGGCGGC GAGCACGATC TCGTCAAAGC CGTTGATGTT
7441 GTGGCCCAACA ATGTAAAGTT CCAAGAAGCG CGGGATGCCC TTGATGGAAG GCAATTTTTT
7501 AAGTTCCTCG TAGGTGAGCT CTTCAGGGGA GCTGAGCCCG TGCTCTGAAA GGGCCAGTC
7561 TGCAAGATGA GGGTTGGAAG CGACGAATGA GCTCCACAGG TCACGGGCCA TTAGCATTTG
7621 CAGGTGGTCG CGAAAGGTCC TAACTGGCG ACCTATGGCC ATTTTTTCTG GGTGATGCA
7681 GTAGAAGGTA AGCGGGTCTT GTTCCCAGCG GTACCATCCA AGGTTTCGCG CTAGGTCTCG
7741 CGCGGCAGTC ACTAGAGGCT CATCTCCGCC GAACCTCATG ACCAGCATGA AGGGCACGAG
7801 CTGCTTCCCA AAGGCCCCCA TTCAAGTATA GGTCTCTACA TCGTAGGTGA CAAAGAGACG
7861 CTCGGTCCGA GGATGCGAGC CGATCGGGAA GAACTGGATC TCCCGCCACC AATTGGAGGA
7921 GTGGCTATTG ATGTGGTGAA AGTAGAAGTC CCTGCGACGG GCCGAACACT CGTGCTGGCT
7981 TTTGTAAAAA CGTGCGCAGT ACTGGCAGCG GTGCACGGGC TGTACATCCT GCACGAGGTT
8041 GACCTGACGA CCGCGCACAA GGAAGCAGAG TGGGAATTG AGCCCCCTCG CTGGCGGGTT
8101 TGGCTGGTGG TCTTCTACTT CGGCTGCTTG TCCTTGACCG TCTGGCTGCT CGAGGGGAGT
8161 TACGGTGGAT CGGACCACCA CGCCGCGCGA GCCCAAAGTC CAGATGTCCG CGCGCGCGCG
8221 TCGGAGCTTG ATGACAACAT CGCGCAGATG GGAGCTGTCC ATGGTCTGGA GCTCCCGCGG
8281 CGTCAGGTCA GCGGGGAGCT CCTGCAGGTT TACCTCGCAT AGACGGGTCA GGGCGCGGGC
8341 TAGATCCAGG TGATACCTAA TTTCCAGGGG CTGGTTGGTG GCGGCGTCGA TGGCTTGCAA
8401 GAGGCCGCGT CCCC GCGGCG CGACTACGCT ACCGCGCGGC GGGCGGTGGG CCGCGGGGGT
8461 GTCCTTGAT GATGCATCTA AAAGCGGTGA CGCGGGCGAG CCCCCGAGG TAGGGGGGGC
8521 TCCGTACCCG CCGGGAGAGG GGGCAGGGGC ACGTCGGCGC CGCGCGCGGG CAGGAGCTGG
8581 TGCTGCGCGC GTAGGTTGCT GGGCAACGCG ACGACGCGGC GGTGATCTC CTGAATCTGG
8641 CGCCTCTGCG TGAAGACGAC GGGCCCGGTG AGCTTGAGCC TGAAAGAGAG TTCGACAGAA
8701 TCAATTTTCG TGTCGTTGAC GGC GGCCTG CGCAAAATCT CCTGCACGTC TCCTGAGTTG
8761 TCTTGATAGG CGATCTCGGC CATGAACTGC TCGATCTCTT CCTCCTGGAG ATCTCCGCGT
8821 CCGGCTCGCT CCACGGTGGC GGC GAGGTG TTGGAAATGC GGGCCATGAG CTGCGAGAAG
8881 GCGTTGAGGC CTCCCTCGTT CCAGACGCGG TCGTAGACCA CGCCCCCTTC GGCATCGCGG
8941 GCGCGCATGA CCACCTGCGC GAGATTGAGC TCCACGTGCC GGGCGAAGAC GGC GTAGTTT
9001 CGCAGGCGCT GAAAGAGGTA GTTGAGGGTG GTGGCGGTGT GTTCTGCCAC GAAGAAGTAC
9061 ATAACCAGC GTCGCAACGT GGATTGCTTG ATATCCCCCA AGGCCTCAAG GCGCTCCATG
9121 GCCTCGTAGA AGTCCACGGC GAAGTTGAAA AACTGGGAGT TGCGCGCCGA CACGGTTAAC
9181 TCCTCCTCCA GAAGACGGAT GAGCTCGGCG ACAGTGTGCG GCACCTCGCG CTCAAAGGCT
9241 ACAGGGGCCCT CTTCTTCTTC TTCAATCTCC TCTTCCATAA GGGCCTCCCC TTCTTCTTCT

FIGURE 23
(SHEET 3)

9301 TCTGGCGGCG GTGGGGGAGG GGGGACACGG CGGCGACGAC GGCGCACCGG GAGGCGGTCG
 9361 ACAAAGCGCT CGATCATCTC CCCGCGGCGA CGGCGCATGG TCTCGGTGAC GGC GCGGCCG
 9421 TTCTCGCGGG GCGCGAGTTG GAAGACGCCG CCCGTCATGT CCCGGTTATG GGTGCGGGG
 9481 GGGCTGCCAT GCGGCAGGGA TACGGCGCTA ACATGATC TCAACAATTG TTGTGTAGGT
 9541 ACTCCGCCGC CGAGGGACCT GAGCGAGTCC GCATCGACCG GATCGGAAAA CCTCTCGAGA
 9601 AAGGCGTCTA ACCAGTCACA GTCGCAAGGT AGGCTGAGCA CCGTGGCGGG CGGCAGCGGG
 9661 CGGCGGTCCG GGTGTTTCTT GCGCGAGGTG CTGCTGATGA TGTAATTAAA GTAGGCGGTC
 9721 TTGAGACGGC GGATGGTCGA CAGAAGCACC ATGTCCTTGG GTCCGGCCTG CTGAATGCGC
 9781 AGGCGGTCCG CCATGCCCCA GGCTTCGTTT TGACATCGGC GCAGGTCTTT GTAGTAGTCT
 9841 TGCATGAGCC TTTCTACCGG CACTTCTTCT TCTCCTTCCT CTTGTCTGTC ATCTCTTGCA
 9901 TCTATCGCTG CGGCGGCGGC GGAGTTTGGC CGTAGGTGGC GCCCTCTTCC TCCCATCGT
 9961 GTGACCCCGA AGCCCTCAT CGGTGAAGC AGGGCTAGGT CGGCGACAAC GCGCTCGGCT
 10021 AATATGGCCT GCTGCACCTG CGTGAGGTA GACTGGAAGT CATCCATGTC CACAAAGCGG
 10081 TGGTATGCGC CCGTGTGAT GGTGTAAGTG CAGTTGGCCA TAACGGACCA GTTAACGGTC
 10141 TGGTGACCGG GCTGCGAGAG CTCGGTGATC CTGAGACGCG AGTAAGCCCT CGAGTCAAAT
 10201 ACGTAGTCGT TGCAAGTCCG CACCAGGTAC TGGTATCCCA CCAAAAAGTG CGGCGGCGGC
 10261 TGGCGGTAGA GGGGCCAGCG TAGGGTGGCC GGGGCTCCGG GGGCGAGATC TTCCAACATA
 10321 AGGCGATGAT ATCCGTAGAT GTACCTGGAC ATCCAGGTGA TGCCGCGCGC GGTGGTGGAG
 10381 GCGCGCGGAA AGTCGCGGAC GCGGTTCCAG ATGTTGCGCA GCGGCAAAAA GTGCTCCATG
 10441 GTCGGGACGC TCTGGCCGGT CAGGCGCGCG CAATCGTTGA CGCTCTAGCG TGCAAAAAGGA
 10501 GAGCCTGTAA GCGGGCACTC TTCCGTGGTC TGGTGGATAA ATTCGCAAGG GTATCATGGC
 10561 GGACGACCGG GGTTCGAGCC CCGTATCCGG CCGTCCGCGG TGATCCATGC GGTACCGCC
 10621 CGCTGTGCGA ACCCAGGTGT GCGACGTGAG ACAACGGGGG AGTGCTCCTT TTGGCTTCTT
 10681 TCCAGGCGCG GCGGCTGCTG CGTGAGCTTT TTTGGCCACT GGCCGCGCGC AGCGTAAGCG
 10741 GTTAGGCTGG AAAGCGAAAAG CATTAAAGTG CTCGCTCCCT GTAGCCGGAG GGTATTTTTC
 10801 CAAGGGTTGA GTCGCGGGAC CCCCCTGTCG AGTCTCGGAC CGGCCGGACT GCGGCGAAGC
 10861 GGGGTTTGCC TCCCCGTCAT GCAAGACCCC GCTTGCAAAT TCCTCCGGAA ACAGGGACGA
 10921 GCCCTTTTTT TGCTTTTCCC AGATGCATCC GGTGCTGCGG CAGATGCGCC CCCCTCCTCA
 10981 GCAGCGGCAA GAGCAAGAGC AGCGGCAGAC ATGCAGGGCA CCCTCCCCTC CTCCTACCGC
 11041 GTCAGGAGGG GCGACATCCG CGGTTGACGC GGCAGCAGAT GGTGATTACG AACCCCGCG
 11101 GCGCCGGGCC CGGCACTACC TGGACTTGGA GGAGGGCGAG GGCCTGGCGC GGCTAGGAGC
 11161 GCCCTCTCCT GAGCGGTACC CAAGGGTGCA GCTGAAGCGT GATACGCGTG AGGCGTACGT
 11221 GCGCGGCGAG AACCTGTTTC GCGACCGCGA GGGAGAGGAG CCGGAGGAG TCCGCGATCG
 11281 AAAGTTCCAG GCAGGGCGCG AGCTGCGGCA TGGCCTGAAT CGCGAGCGGT TGCTGCGCGA
 11341 GGAGGACTTT GAGCCCGACG CGCGAACCGG GATTAGTCCC GCGCGCGCAC ACGTGGCGGC
 11401 CGCCGACCTG GTAACCGCAT ACGAGCAGAC GGTGAACCGAG GAGATTAACT TTCAAAAAG
 11461 CTTTAACAAC CACGTGCGTA CGCTTGTTGG GCGCGAGGAG GTGGCTATAG GACTGATGCA
 11521 TCTGTGGGAC TTTGTAAGCG CGCTGGAGCA AAACCCAAAT AGCAAGCCGC TCATGGCGCA
 11581 GCTGTTCTTT ATAGTGCAGC ACAGCAGGGA CAACGAGGCA TTCAGGGATG CGCTGCTAAA
 11641 CATAGTAGAG CCCGAGGGCC GCTGGCTGCT CGATTTGATA AACATCCTGC AGAGCATAGT
 11701 GGTGCGAGGAG CGCAGCTTGA GCCTGGCTGA CAAGGTGGCC GCCATCAACT ATTCCATGCT
 11761 TAGCCTGGGC AAGTTTTACG CCCGCAAGAT ATACCATACC CCTTACGTTT CCATAGACAA
 11821 GGAGGTAAAG ATCGAGGGGT TCTACATGCG CATGGCGCTG AAGGTGCTTA CTTTGAGCGA
 11881 CGACCTGGGC GTTTATCGCA ACGAGCGCAT CCACAAGGCC GTGAGCGTGA GCCGGGCGCG
 11941 CGAGCTCAGC GACCGCGAGC TGATGACAG CCTGCAAAGG GCCCTGGCTG GCACGGGCGAG
 12001 CGGCGATAGA GAGGCCGAGT CCTACTTTGA CGCGGGCGCT GACCTGCGCT GGGCCCCAAG
 12061 CCGACGCGCC CTGGAGGCAG CTGGGGCCGG ACCTGGGCTG GCGGTGGCAC CCGCGCGCGC
 12121 TGGCAACGTC GCGGGCGTGG AGGAATATGA CGAGGACGAT GAGTACGAGC CAGAGGACCG
 12181 CGAGTACTAA GCGGTGATGT TTCTGATCAG ATGATGCAAG ACGCAACGGA CCCGGCGGTC
 12241 CGGGCGGCGC TGCAGAGCCA GCCGTCCGGC CTTAACTCCA CGGACGACTG GCGCCAGGTC
 12301 ATGGACCGCA TCATGTCGCT GACTGCGCGC AATCCTGACG CGTTCGGGCA GCAGCCGCGAG
 12361 GCCAACCAGC TCTCCGCAAT TCTGGAAGCG GTGGTCCCAG CGCGCGCAAA CCCCACGAC
 12421 GAGAAGGTGC TGGCGATCGT AAACGCGCTG GCGGCAACAG GGGCCATCCG CCCCAGCGAG
 12481 GCGGCGCTGG TCTACGACGC GCTGCTTCAG CGCGTGGCTC GTTACAACAG CCGCAACGTG
 12541 CACGACCAACC TGGACCGGCT GGTGGGGGAT GTGCGCGAGG CCGTGGCGCA GCGTGAGCGC
 12601 GCGCAGCAGC AGGGCAACCT GGGCTCCATG GTTGCACTAA ACGCCTTCTT GAGTACACAG
 12661 CCCGCCAACG TGCCGCGGGG ACAGGAGGAC TACACCAACT TTGTGAGCGC ACTGCGGCTA

FIGURE 23
(SHEET 4)

12721 ATGGTGA CTG AGACACCGCA AAGTGAGGTG TACCA GTCTG GGCCAGACTA TTTTTCAG
 12781 ACCAGTAGAC AAGGCCTGCA GACCGTAAAC CTGAGCCAGG CTTTCAAAAA CTTGCAGGGG
 12841 CTGTGGGGGG TGCGGGCTCC CACAGGCGAC CGCGCGACCG TGTCTAGCTT GCTGACGCCC
 12901 AACTCGCGCC TGTGTCTGCT GCTAATAGCG CCCTTCACGG ACAGTGGCAG CGTGTCCCGG
 12961 GACACATACC TAGGTCACTT GCTGACACTG TACCGCGAGG CCATAGGTCA GGCGCATGTG
 13021 GACGAGCATA CTTTCCAGGA GATTACAAGT GTCAGCCGCG CGCTGGGGCA GGAGGACACG
 13081 GGCAGCCTGG AGGCAACCCT AAACCTACCTG CTGACCAACC GGCGGCAGAA GATCCCCCTG
 13141 TTGCACAGTT TAAACAGCGA GGAGGAGCGC ATTTTTCGCT ACGTGCAGCA GAGCGTGAGC
 13201 CTTAACCTGA TGCGCGACGG GGTAACGCCC AGCGTGGCGC TGGACATGAC CGCGCGCAAC
 13261 ATGGAACCGG GCATGTATGC CTCAAACCGG CCGTTTATCA ACCGCCAAT GGACTACTTG
 13321 CATCGCGCGG CCGCCGTGAA CCCCAGATAT TTCACCAATG CCATCTTGAA CCCGCACTGG
 13381 CTACCGCCCC CTGGTTTCTA CACCGGGGGA TTCGAGGTGC CCGAGGGTAA CGATGGATTG
 13441 CTCTGGGACG ACATAGACGA CAGCGTGTTC TCCCCGCAAC CGCAGACCTT GCTAGAGTTG
 13501 CAACAGCGCG AGCAGGCAGA GGCGGCGCTG CGAAAGGAAA GCTTCCGCAG GCCAAGCAGC
 13561 TTGTCCGATC TAGGCGCTGC GGCCCCGCGG TCAGATGCTA GTAGCCCATT TCCAAGCTTG
 13621 ATAGGGTCTC TTACCAGCAC TCGCAACCAC CGCCCCGCGC TGCTGGGCGA GGAGGAGTAC
 13681 CTAAACAAC CTGCTGCTGCA CCGCGACGCG GAAAAAAACC TGCCTCCGGC ATTTCCCAAC
 13741 AACGGGATAG AGAGCCTAGT GGACAAGATG AGTAGATGGA AGACGTACGC GCAGGAGCAC
 13801 AGGGACGTGC CAGGCCCCGCG CCGCCCCACC CGTTCGTCAA GGCACGACCG TCAGCGGGGT
 13861 CTGGTGTGGG AGGACGATGA CTCGGCAGAC GACAGCAGCG TCCTGGATTG GGGAGGGAGT
 13921 GGCAACCCGT TTGCGCACCT TCGCCCCAGG CTGGGGAGAA TGTTTTAAAA AAAAAAAGC
 13981 ATGATGCAAA ATAAAAA ACT CACCAAGGCC ATGGCACCGA GCGTTGGTTT TCTTGTATTG
 14041 CCCTTAGTAT GCGGCGCGCG GCGATGTATG AGGAAGGTCC TCCTCCCTCC TACGAGAGTG
 14101 TGGTGAGCGC GGCGCCAGTG GCGGCGCGCG CTACCGGGGG GAGAAACAGC ATCCGTTACT
 14161 CGCCGTTTGT GCCTCCGCGG TACCTGCGGC GTGTGTACCT GGTGGACAAC AAGTCAACGG
 14221 CTGAGTTGGC ACCCCTATTG GACACCACCC GTGTGTACCT TCTGACCACG GTCATTCAA
 14281 ATGTGGCATC CCTGAAC TAC CAGAACGACC ACAGCAACTT TCTGACCACG GTCATTCAA
 14341 ACAATGACTA CAGCCCCGGG GAGGCAAGCA CACAGACCAT CAATCTTGAC GACCGGTCCG
 14401 ACTGGGGCGG CGACCTGAAA ACCATCCTGC ATACCAACAT GCCAAATGTG AACGAGTTCA
 14461 TGTTTACCAA TAAGTTAAG GCGCGGGTGA TGGTGTGCGG CTTGCCTACT AAGGACAATC
 14521 AGGTGGAGCT GAAATACGAG TGGGTGGAGT TCACGCTGCC CGAGGGCAAC TACTCCGAGA
 14581 CCATGACCAT AGACCTTATG AACAACGCGA TCGTGGAGCA CTACTTGAAA GTGGGCAGAC
 14641 AGAACGGGGT TCTGGAAAGC GACATCGGGG TAAAGTTTGA CACCCGCAAC TTCAGACTGG
 14701 GGTTTGACCC CGTCACTGGT CTTGTATGCT CTGGGGTATA TACAAACGAA GCCTTCCATC
 14761 CAGACATCAT TTTGCTGCCA GGATGCGGGG TGGACTTCAC CCACAGCCGC CTGAGCAACT
 14821 TGTGCGCAT CCGCAAGCGG CAACCTTCC AGGAGGGCTT TAGGATCACC TACGATGATC
 14881 TGGAGGGTGG TAACATTCCC GCACTGTTGG ATGTGGACGC CTACCAGGCG AGCTTGAAG
 14941 ATGACACCGA ACAGGGCGGG GGTGGCGCAG GCGGCAGCAA CAGCAGTGGC AGCGGCGCGG
 15001 AAGAGAACTC CAACGCGGCA GCCGCGGCAA TGCAGCCGGT GGAGGACATG AACGATCATG
 15061 CCATTGCGGG CGACACCTTT GCCACACGGG CTGAGGAGAA GCGCGCTGAG CCCGAAGCAG
 15121 CGGCCGAAGC TGCCGCCCCC GCTGCGCAAC CCGAGGTGCA GAAGCCTCAG AAGAAACCGG
 15181 TGATCAAACC CCTGACAGAG GACAGCAAGA AACGCAGTTA CAACCTAATA AGCAATGACA
 15241 GCACCTTAC CCAGTACCGC AGCTGGTACC TTGCATACAA CTACGGCGAC CCTCAGACCG
 15301 GAATCCGCTC ATGGACCCTG CTTTGCACTC CTGACGTAAC CTGCGGCTCG GAGCAGGTCT
 15361 ACTGGTCTGT GCCAGACATG ATGCAAGACC CCGTGACCTT CCGCTCCACG CGCCAGATCA
 15421 GCAACTTTCC GGTGGTGGGC GCGGAGCTGT TGCCCGTGCA CTCCAAGAGC TTCTACAACG
 15481 ACCAGGCCGT CTACTCCCAA CTCATCCGCC AGTTTACCTC TCTGACCCAC GTGTTCAATC
 15541 GCTTTCCCGA GAACAGATT TTGGCGCGCC CGCCAGCCCC CACCATCACC ACCGTCAGTG
 15601 AAAACGTTCC TGCTCTCACA GATCACGGGA CGCTACCGCT GCGCAACAGC ATCGGAGGAG
 15661 TCCAGCGAGT GACCATTACT GACGCCAGAC GCCGCACCTG CCCCTACGTT TACAAGGCCC
 15721 TGGGCATAGT CTCGCGCGCG GTCTTATCGA GCCGCACTTT TTGAGCAAGC ATGTTCATCC
 15781 TTATATCGCC CAGCAATAAC ACAGGCTGGG GCCTGCGCTT CCAAGCAAG ATGTTTGGCG
 15841 GGGCCAAGAA GCGCTCCGAC CAACACCCAG TGCGCGTGCG CGGGCACTAC CGCGCGCCCT
 15901 GGGGCGCGCA CAAACGCGGC CGCACTGGGC GCACCACCGT CGATGACGCC ATCGACGCGG
 15961 TGGTGGAGGA GGCGCGCAAC TACACGCCCA CGCCGCCACC AGTGTCACA GTGGACGCGG
 16021 CCATTGAGAC CGTGGTGCAG GGAGCCCGG GCTATGCTAA AATGAAGAGA CGGCGGAGGC
 16081 GCGTAGCACG TCGCCACCGC CGCCGACCCG GCACTGCCGC CCAACGCGCG GCGGCGGCC

FIGURE 23
(SHEET 5)

16141	TGCTTAACCG	CGCACGTCGC	ACCGGCCGAC	GGGCGGCCAT	GCGGGCCGCT	CGAAGGCTGG
16201	CCGCCGGTAT	TGTCACGTGT	CCCCCAGGT	CCAGGCGACG	AGCGGCCGCC	GCAGCAGCCG
16261	CGGCCATTAG	TGCTATGACT	CAGGGTCGCA	GGGGCAACGT	GTATTGGGTG	CGCGACTCGG
16321	TTAGCGGCCT	GCGCGTCCCC	GTGCGCACCC	GCCCCCGCG	CAACTAGATT	GCAAGAAAAA
16381	ACTACTTAGA	CTCGTACTGT	TGTATGTATC	CAGCGGCGGC	GGCGCGCAAC	GAAGCTATGT
16441	CCAAGCGCAA	AATCAAAGAA	GAGATGCTCC	AGGTCATCGC	GCCGGAGATC	TATGGCCCCC
16501	CGAAGAAGGA	AGAGCAGGAT	TACAAGCCCC	GAAAGCTAAA	GCGGGTCAAA	AAGAAAAAGA
16561	AAGATGATGA	TGATGAACTT	GACGACGAGG	TGGAAGTGT	GCACGCTACC	GCGCCCAGGC
16621	GACGGGTACA	GTGGAAAGGT	CGACGCGTAA	AACGTGTTTT	GCGACCCGGC	ACCACCGTAG
16681	TCTTTACGCC	CGGTGAGCGC	TCCACCCGCA	CCTACAAGCG	CGTGTATGAT	GAGGTGTACG
16741	GCGACGAGGA	CCTGCTTGAG	CAGGCCAACG	AGCGCCTCGG	GGAGTTTGCC	TACGGAAAGC
16801	GGCATAAGGA	CATGCTGGCG	TTGCCGCTGG	ACGAGGGCAA	CCCAACACCT	AGCCTAAAGC
16861	CGCTAACACT	GCAGCAGGTG	CTGCCCGCG	TTGCACCGTC	CGAAGAAAAG	CGCGGCCCTA
16921	AGCGCGAGTC	TGGTGACTTG	GCACCCACCG	TGCAGCTGAT	GGTACCCAAG	CGCCAGCGAC
16981	TGGAAGATGT	CTTGGA AAAA	ATGACCGTGG	AACCTGGGCT	GGAGCCCGAG	GTCCGCGTGC
17041	GGCCAATCAA	GCAGGTGGCG	CCGGGACTGG	GCGTGCAGAC	CGTGAGCGTT	CAGATACCCA
17101	CTACCAGTAG	CACCAGTATT	GCCACCGCCA	CAGAGGGCAT	GGAGACACAA	ACGTCCCCCG
17161	TTGCCTCAGC	GGTGGCGGAT	GCCGCGGTGC	AGGCGGTGCG	TGCGGCCGCG	TCCAAGACCT
17221	CTACGGAGGT	GCAAACGGAC	CCGTGGATGT	TTGCGTTTTT	AGCCCCCGCG	CGCCCCGCGC
17281	GTTCGAGGAA	GTACGGCGCC	GCCAGCGCGC	TACTGCCCGA	ATATGCCCTA	CATCCTTCCA
17341	TTGCGCCTAC	CCCCGGCTAT	CGTGGCTACA	CCTACCGCCC	CAGAAGACGA	GCAACTACCC
17401	GACGCCGAAC	CACCACTGGA	ACCCGCCGCC	GCCGTCGCCG	TGCCAGCCCC	GTGCTGGCCC
17461	CGATTTCCTG	GCGCAGGGTG	GCTCGCGAAG	GAGGCAGGAC	CCTGGTGCTG	CCAACAGCGC
17521	GCTACCACCC	CAGCATCGTT	TAAAAGCCGG	TCTTTGTGGT	TCTTGACAGT	ATGGCCCTCA
17581	CCTGCCGCCT	CCGTTTCCCG	GTGCCGGGAT	TCCGAGGAAG	AATGCACCGT	AGGAGGGGCA
17641	TGGCCGGCCA	CGGCCTGACG	GGCGGCATGC	GTCGTGCGCA	CCACCGGCGT	CGCGCGCGCT
17701	CGCACCCTCG	CATGCGCGGC	GGTATCCTGC	CCCTCCTTAT	TCCACTGATC	GCCGCGCGCA
17761	TTGGCGCCGT	GCCCCGAATT	GCATCCGTGG	CCTTGCAGGC	GCAGAGACAC	TGATTAAAAA
17821	CAAGTTGCAT	GTGGAAAAAT	CAAAATAAAA	AGTCTGGACT	CTCACGCTCG	CTTGGTCCTG
17881	TAATAATTTT	GTAGAATGGA	AGACATCAAC	TTTGCGTCTC	TGGCCCCGCG	ACACGGCTCG
17941	CGCCCGTTCA	TGGGAAACTG	GCAAGATATC	GGCACCAGCA	ATATGAGCGG	TGGCGCCTTC
18001	AGCTGGGGCT	CGCTGTGGAG	CGGCATTA AA	AATTTTCGGT	CCACCGTTAA	GAACATATGGC
18061	AGCAAGGCC	GGAACAGCAG	CACAGGCCAG	ATGCTGAGGG	ATAAGTTGAA	AGAGCAAAAT
18121	TTCCAACAAA	AGGTGGTAGA	TGGCCTGGCC	TCTGGCATT	GCGGGGTGGT	GGACCTGGCC
18181	AACCAGGCAG	TGCAAAATAA	GATTAACAGT	AAGCTTGATC	CCCGCCCTCC	CGTAGAGGAG
18241	CCTCCACCGG	CCGTGGAGAC	AGTGTCTCCA	GAGGGGCGTG	GCGAAAAGCG	TCCGCGCCCC
18301	GACAGGGAAG	AAACTCTGGT	GACGCAATAA	GACGAGCCTC	CCTCGTACGA	GGAGGCACTA
18361	AAGCAAGGCC	TGCCCACCAC	CCGTCCCATC	GCGCCCATGG	CTACCGGAGT	GCTGGGCCAG
18421	CACACACCCG	TAACGCTGGA	CCTGCCTCCC	CCCGCCGACA	CCCAGCAGAA	ACCTGTGCTG
18481	CCAGGCCCGA	CCGCCGTTGT	TGTAACCCGT	CCTAGCCGCG	CGTCCCTGCG	CCGCGCCGCC
18541	AGCGGTCCGC	GATCGTTGCG	GCCCCGTAGC	AGTGGCAACT	GGCAAAGCAC	ACTGAACAGC
18601	ATCGTGGGTC	TGGGGGTGCA	ATCCCTGAAG	CGCCGACGAT	GCTTCTGAAT	AGCTAACGTG
18661	TCGTATGTGT	GTCATGTATG	CGTCCATGTC	GCCGCCAGAG	GAGCTGCTGA	GCCGCCGCGC
18721	GCCCGCTTTC	CAAGATGGCT	ACCCTTCGA	TGATGCCGCA	GTGGTCTTAC	ATGCACATCT
18781	CGGGCCAGGA	CGCCTCGGAG	TACCTGAGCC	CCGGGCTGGT	GCAGTTTGCC	CGCGCCACCG
18841	AGACGTACTT	CAGCCTGAAT	AACAAGTTTA	GAAACCCAC	GGTGGCGCCT	ACGCACGACG
18901	TGACCACAGA	CCGGTCCCAG	CGTTTGACGC	TGCGGTTTAT	CCCTGTGGAC	CGTGAGGATA
18961	CTGCGTACTC	GTACAAGGCG	CGGTTACCC	TAGCTGTGGG	TGATAACCGT	GTGCTGGACA
19021	TGGCTTCCAC	GTACTTTGAC	ATCCGCGGCG	TGCTGGACAG	GGGCCCTACT	TTTAAGCCCT
19081	ACTCTGGCAC	TGCCTACAAC	GCCCTGGCTC	CCAAGGGTGC	CCCAAATCCT	TGCGAATGGG
19141	ATGAAGCTGC	TACTGCTCTT	GAAATAAACC	TAGAAGAAGA	GGACGATGAC	AACGAAGACG
19201	AAGTAGACGA	GCAAGCTGAG	CAGCAAAAAA	CTCACGTATT	TGGGCAGGCG	CCTTATTCTG
19261	GTATAAATAT	TACAAAGGAG	GGTATTCAAA	TAGGTGTGCA	AGGTCAAACA	CCTAAATATG
19321	CCGATAAAAC	ATTTC AACCT	GAACCTCAAA	TAGGAGAATC	TCACTGGTAC	GAACTGAAAA
19381	TTAATCATGC	AGCTGGGAGA	GTCCTTAAAA	AGACTACCCC	AATGAAACCA	TGTTACGGTT
19441	CATATGCAAA	ACCCACAAAT	GAAAATGGAG	GGCAAGGCAT	TCTTGTAAG	CAACAAAATG
19501	GAAAGCTAGA	AAGTCAAGTG	GAAATGCAAT	TTTTCTCAAC	TACTGAGGCG	ACCGCAGGCA

FIGURE 23
(SHEET 6)

19561 ATGGTGATAA CTTGACTCCT AAAGTGGTAT TGTACAGTGA AGATGTAGAT ATAGAAACCC
19621 CAGACACTCA TATTTCTTAC ATGCCCCACTA TTAAGGAAGG TAACTCACGA GAACTAATGG
19681 GCCAACAATC TATGCCCCAAC AGGCCTAATT ACATTGCTTT TAGGGACAAT TTTATTGGTG
19741 TAATGTATTA CAACAGCACG GGTAAATATGG ATGTTCTGGC GGGCCAAGCA TCGCAGTTGA
19801 ATGCTGTTGT AGATTTGCAA GACAGAAACA CAGAGCTTTC ATACCAGCTT TTGCTTGATT
19861 CCATTGGTGA TAGAACCAGG TACTTTTCTA TGTGGAATCA GGCTGTTGAC AGCTATGATC
19921 CAGATGTTAG AATTATTGAA AATCATGGAA CTGAAGATGA ACTTCCAAAT TACTGCTTTC
19981 CACTGGGAGG TGTGATTAAT ACAGAGACTC TTACCAAGGT AAAACCTAAA ACAGGTCAGG
20041 AAAATGGATG GGAAAAAGAT GCTACAGAAT TTTCAGATAA AAATGAAATA AGAGTTGGAA
20101 ATAATTTTGC CATGGAAATC AATCTAAATG CCAACCTGTG GAGAAATTC CTGTACTCCA
20161 ACATAGCGCT GTATTTGCCC GACAAGCTAA AGTACAGTCC TTCCAACGTA AAAATTTCTG
20221 ATAACCCAAA CACCTACGAC TACATGAACA AGCGAGTGGT GGCTCCCGGG TTAGTGGACT
20281 GCTACATTAA CCTTGAGGCA CGCTGGTCCC TTGACTATAT GGACAACGTC AACCATTTTA
20341 ACCACCACCG CAATGCTGGC CTGCGCTACC GCTCAATGTT GCTGGGCAAT GGTCGCTATG
20401 TGCCCTTCCA CATCCAGGTG CCTCAGAAGT TCTTTGCCAT TAAAAACCTC CTTCTCCTGC
20461 CGGGCTCATA CACCTACGAG TGGAACTTCA GGAAGGATGT TAACATGGTT CTGCAGAGCT
20521 CCCTAGGAAA TGACCTAAGG GTTGACGGAG CCAGCATTAA GTTTGATAGC ATTTGCCTTT
20581 ACGCCACCTT CTTCCCCATG GCCCACAACA CCGCTCCAC GCTTGAGGCC ATGCTTAGAA
20641 ACGACACCAA CGACAGTCC TTTAACGACT ATCTCTCCGC CGCCAACATG CTCTACCCTA
20701 TACCCGCCAA CGCTACCAAC GTGCCCATAT CCATCCCCTC CCGCAACTGG GCGGCTTTCC
20761 GCGGCTGGGC CTTACGCGC CTTAAGACTA AGGAAACCCC ATCACTGGGC TCGGGCTACG
20821 ACCCTTATTA CACCTACTCT GGCTCTATAC CCTACCTAGA TGGAACCTTT TACCTCAACC
20881 ACACCTTTAA GAAGGTGGCC ATTACCTTTG ACTCTTCTGT CAGCTGGCCT GGCAATGACC
20941 GCCTGCTTAC CCCCACGAG TTTGAAATTA AGCGCTCAGT TGACGGGGAG GGTTACAACG
21001 TTGCCCAGTG TAACATGACC AAAGACTGGT TCCTGGTACA AATGCTAGCT AACTACAACA
21061 TTGGCTACCA GGGCTTCTAT ATCCCAGAGA GCTACAAGGA CCGCATGTAC TCCTTCTTTA
21121 GAAACTTCCA GCCCATGAGC CGTCAGGTGG TGGATGATAC TAAATACAAG GACTACCAAC
21181 AGGTGGGCAT CCTACACCAA CACAACAAC CTGGATTTGT TGGCTACCTT GCCCCACCA
21241 TGCGCGAAGG ACAGGCCTAC CCTGCTAACT TCCCCTATCC GCTTATAGGC AAGACCGCAG
21301 TTGACAGCAT TACCCAGAAA AAGTTTCTTT GCGATCGCAC CTTTGGCGC ATCCATTCT
21361 CCAGTAACTT TATGTCCATG GGCGCACTCA CAGACCTGGG CCAAAACCTT CTCTACGCCA
21421 ACTCCGCCCA CGCGCTAGAC ATGACTTTTG AGGTGGATCC CATGGACGAG CCCACCTTC
21481 TTTATGTTTT GTTTGAAGTC TTTGACGTGG TCCGTGTGCA CCGGCCGCAC CGCGCGTCA
21541 TCGAAACCGT GTACCTGCGC ACGCCCTTCT CGGCCGGCAA CGCCACAACA TAAAGAAGCA
21601 AGCAACATCA ACAACAGCTG CCGCCATGGG CTCCAGTGAG CAGGAAGCTG AAGCCATTGT
21661 CAAAGATCTT GGTGTGGGC CATATTTTTT GGGCACCTAT GACAAGCGCT TTCCAGGCTT
21721 TGTCTCTCCA CACAAGCTCG CCTGCGCCAT AGTCAATACG GCCGGTCGCG AGACTGGGGG
21781 CGTACACTGG ATGGCCTTTG CCTGGAACCC GCACTCAAAA ACATGCTACC TCTTTGAGCC
21841 CTTTGGCTTT TCTGACCAGC GACTCAAGCA GGTTTACCAG TTTGAGTACG AGTCACTCCT
21901 GCGCCGTAGC GCCATTGCTT CTTCCCCCGA CCGCTGTATA ACGCTGAAA AGTCCACCCA
21961 AAGCGTACAG GGGCCCAACT CGGCCGCTG TGGACTATTC TGCTGCATGT TTCTCCACGC
22021 CTTTGCCAAC TGGCCCCAAA CTCCCATGGA TCACAACCCC ACCATGAACC TTATTACCGG
22081 GGTACCCAAC TCCATGCTCA ACAGTCCCCA GGTACAGCCC ACCCTGCGTC GCAACCAGGA
22141 ACAGCTCTAC AGCTTCCTGG AGCGCCACTC GCCCTACTTC CGCAGCCACA GTGCGCAGAT
22201 TAGGAGCGCC ACTTCTTTTT GTCACTTGAA AAACATGTAA AAATAATGTA CTAGAGACAC
22261 TTTCAATAAA GGCAAATGCT TTTATTTGTA CACTCTCGGG TGATTATTTA CCCCCACCT
22321 TGCCGTCTGC GCCGTTTAAA AATCAAAGGG GTTCTGCCGC GCATCGCTAT GCGCCACTGG
22381 CAGGGACACG TTGCGATACT GGTGTTTAGT GCTCCACTTA AACTCAGGCA CAACCATCCG
22441 CGGCAGCTCG GTGAAGTTTT CACTCCACAG GCTGCGCACC ATCACCACG CGTTTAGCAG
22501 GTCGGGCGCC GATATCTTGA AGTCGCAGTT GGGGCTCCG CCCTGCGCGC GCGAGTTGCG
22561 ATACACAGGG TTGCAGCACT GGAACACTAT CAGCGCCGGG TGGTGCACGC TGGCCAGCAC
22621 GCTCTTGTCT GAGATCAGAT CCGCGTCCAG GTCCTCCGCG TTGCTCAGGG CGAACGGAGT
22681 CAACCTTGGT AGCTGCCTTC CAAAAAGGG CGCGTGCCCA GGCTTTGAGT TGCACTGCAC
22741 CCGTAGTGGC ATCAAAAGGT GACCGTGCCC GGTCTGGGCG TTAGGATACA GCGCCTGCAT
22801 AAAAGCCTTG ATCTGCTTAA AAGCCACCTG AGCCTTTGCG CCTTCAGAGA AGAACATGCC
22861 GCAAGACTTG CCGGAAACT GATTGGCCGG ACAGGCCGCG TCGTGACGC AGCACCTTGC
22921 GTCGGTGTG GAGATCTGCA CCACATTTCT GCCCCACCGG TTCTTCACGA TCTTGGCCTT

FIGURE 23
(SHEET 7)

22981 GCTAGACTGC TCCTTCAGCG CGCGCTGCCC GTTTTCGCTC GTCACATCCA TTTCAATCAC
 23041 GTGCTCCTTA TTTATCATAA TGCTTCCGTG TAGACACTTA AGCTCGCCTT CGATCTCAGC
 23101 GCAGCGGTGC AGCCACAACG CGCAGCCCGT GGGCTCGTGA TGCTTGATAG TCACCTCTGC
 23161 AAACGACTGC AGGTACGCCT GCAGGAATCG CCCCATCATC GTCACAAAGG TCTTGTTGCT
 23221 GGTGAAGGTC AGCTGCAACC CGCGGTGCTC CTCGTTTCAGC CAGGTCTTGC ATACGGCCGC
 23281 CAGAGCTTCC ACTTGGTCAG GCAGTAGTTT GAAGTTCGCC TTTAGATCGT TATCCACGTG
 23341 GTACTTGTCC ATCAGCGCGC GCGCAGCCTC CATGCCCTTC TCCCACGCAG ACACGATCGG
 23401 CACACTCAGC GGGTTCATCA CCGTAATTTT ACTTTCCGCT TCGCTGGGCT CTTCTCTTTC
 23461 CTCTTGCGTC CGCATACCAC GCGCCACTGG GTCGTCTTCA TTCAGCCGCC GCACTGTGCG
 23521 CTTACCTCCT TTGCCATGCT TGATTAGCAC CGGTGGGTTG CTGAAACCCA CCATTTGTAG
 23581 CGCCACATCT TCTCTTCTT CTTGCTGTG CACGATTACC TCTGGTGATG GCGGGCGCTC
 23641 GGGCTTGGA GAAGGGCGCT TCTTTTCTT CTTGGGCGCA ATGGCCAAAT CCGCGCCGA
 23701 GGTGCATGGC CGCGGGCTGG GTGTGCGCG CACCAGCGCG TCTTGATGAG AGTCTTCTC
 23761 GTCCTCGGAC TCGATACGCC GCCTCATCG CTTTCTTGGG GGCGCCCGGG GAGGCGCGG
 23821 CGACGGGGAC GGGGACGACA CGTCTCCAT GGTGGGGGA CGTCGCGCG CACCGCGTCC
 23881 GCGCTCGGGG GTGGTTTCGC GCTGCTCCTC TTCCCGACTG GCCATTTCTT TCTCTATAG
 23941 GCAGAAAAAG ATCATGGAGT CAGTCGAGAA GAAGGACAGC CTAACCGCCC CCTCTGAGTT
 24001 CGCCACCACC GCCTCCACCG ATGCCGCCAA CGCGCTACC ACCTTCCCCG TCGAGGCACC
 24061 CCCGCTTGAG GAGGAGGAAG TGATTATCGA GCAGGACCCA GGTTTTGTA GCGAAGACGA
 24121 CGAGGACCGC TCAGTACCAA CAGAGGATAA AAAGCAAGAC CAGGACAACG CAGAGGCAAA
 24181 CGAGGAACAA GTCGGGCGGG GGGACGAAAG GCATGGCGAC TACCTAGATG TGGGAGACGA
 24241 CGTGCTGTTG AAGCATCTGC AGCGCCAGTG CGCCATTATC TGCGACGCGT TGCAAGAGCG
 24301 CAGCGATGTG CCCCTCGCCA TAGCGGATGT CAGCCTTGCC TACGAACGCC ACCTATTCTC
 24361 ACCGCGCGTA CCCCCAAAC GCCAAGAAAA CGGCACATGC GAGCCCAACC CGCGCTCAA
 24421 CTTCTACCCC GTATTTGCCG TGCCAGAGGT CTTTGCCACC TATCACATCT TTTTCCAAAA
 24481 CTGCAAGATA CCCCTATCCT GCCGTGCCAA CCGCAGCCGA GCGGACAAGC AGCTGGCCTT
 24541 GCGGCAGGGC GCTGTCATAC CTGATATCGC CTCGCTCAAC GAAGTGCCAA AAATCTTTGA
 24601 GGGTCTTGGA CGCGACGAGA AGCGCGCGGC AAACGCTCTG CAACAGGAAA ACAGCGAAAA
 24661 TGAAAGTCAC TCTGGAGTGT TGGTGGAAC CGAGGGTGAC AACGCGCGCC TAGCCGTA
 24721 AAAACGCAGC ATCGAGGTCA CCCACTTTGC CTACCCGGCA CTTAACCTAC CCCCCAAGGT
 24781 CATGAGCACA GTCATGAGTG AGCTGATCGT GCGCCGTGCG CAGCCCCCTG AGAGGGATGC
 24841 AAATTTGCAA GAACAAACAG AGGAGGGCCT ACCCGCAGTT GCGGACGAGC AGCTAGCGCG
 24901 CTGGCTTCAA ACGCGCGAGC CTGCCGACTT GGAGGAGCGA CGCAAATAA TGATGGCCGC
 24961 AGTGCTCGTT ACCGTGGAGC TTGAGTGATC GCAGCGGTTT TTTGCTGACC CGGAGATGCA
 25021 GCGCAAGCTA GAGGAAACAT TGCACTACAC CTTTCGACAG GGCTACGTAC CCGAGGCTG
 25081 CAAGATCTCC AACGTGGAGC TCTGCAACCT GGTCTCTAC CTTGGAATTT TGCACGAAAA
 25141 CCGCCTTGGG CAAAACGTGC TTCATTCCAC GCTCAAGGGC GAGGCGCGCC GCGACTACGT
 25201 CCGCGACTGC GTTTACTTAT TTCTATGCTA CACCTGGCAG ACGGCCATGG GCGTTTGGCA
 25261 GCAGTGCTTG GAGGAGTGCA ACCTCAAGGA GCTGCAGAAA CTGCTAAAGC AAAACTTGAA
 25321 GGACCTATGG ACGGCCCTCA ACGAGCGCTC CGTGGCCGCG CACCTGGCGG ACATCATTTT
 25381 CCCCAGACGC CTGCTTAAAA CCCTGCAACA GGGTCTGCCA GACTTCACCA GTCAAAGCAT
 25441 GTTGACAGAA TTAGGAACCT TTATCTAGA GCGCTCAGGA ATCTTGCCCC CCACCTGCTG
 25501 TGCACTTCTT AGCGACTTTG TGCCCATTA GTACCGCGAA TGCCCTCCGC CGCTTTGGGG
 25561 CCACTGCTAC CTTCTGCAGC TAGCCAACTA CCTTGCTAC CACTCTGACA TAATGGAAGA
 25621 CGTGAGCGGT GACGGTCTAC TGGAGTGCTA CTGTCGCTG AACCTATGCA CCCCACCG
 25681 CTCCCTGGTT TGCAATTGCG AGTGCTTAA CGAAAGTCAA ATTATCGGTA CCTTTGAGCT
 25741 GCAGGGTCCC TCGCCTGACG AAAAGTCCGC GGCTCCGGGG TTGAAACTCA CTCCGGGGCT
 25801 GTGGACGTCG GCTTACCTTC GCAAATTTGT ACCTGAGGAC TACCACGCCC ACGAGATTAG
 25861 GTTCTACGAA GACCAATCCC GCCCGCCAAA TGCGGAGCTT ACCGCCTGCG TCATTACCCA
 25921 GGGCCACATT CTTGGCCAAT TGCAAGCCAT CAACAAAGCC CGCCAAGAGT TTCTGCTACG
 25981 AAAGGGACGG GGGGTTTACT TGGACCCCA GTCCGGCGAG GAGCTCAACC CAATCCCCC
 26041 GCCCGCCGAG CCCTATCAGC AGCAGCCGCG GGCCCTTGCT TCCCAGGATG GCACCCAAAA
 26101 AGAAGCTGCA GCTGCCGCCG CCACCCACGG ACGAGGAGGA ATACTGGGAC AGTCAGGCAG
 26161 AGGAGGTTTT GGACGAGGAG GAGGAGGACA TGATGGAAGA CTGGGAGAGC CTAGACGAGG
 26221 AAGCTTCCGA GGTGCAAGAG GTGTCAGACG AAACACCGTC ACCCTCGGTC GCATTCCTCT
 26281 CGCCGGCGCC CCAGAAATCG GCAACCGGTT CCAGCATGGC TACAACCTCC GCTCCTCAGG
 26341 CGCCGCCGGC ACTGCCCGTT CGCCGACCCA ACCGTAGATG GGACACCACT GGAACGAGG

FIGURE 23
(SHEET 8)

26401	CCGGTAAGTC	CAAGCAGCCG	CCGCCGTTAG	CCCAAGAGCA	ACAACAGCGC	CAAGGCTACC
26461	GCTCATGGCG	CGGGCACAAG	AACGCCATAG	TTGCTTGCTT	GCAAGACTGT	GGGGGCAACA
26521	TCTCCTTCGC	CCGCCGCTTT	CTTCTCTACC	ATCACGGCGT	GGCCTTCCCC	CGTAACATCC
26581	TGCATTACTA	CCGTCACTCT	TACAGCCCAT	ACTGCACCGG	CGGCAGCGGC	AGCGGCAGCA
26641	ACAGCAGCGG	CCACACAGAA	GCAAAGGCGA	CCGGATAGCA	AGACTCTGAC	AAAGCCCAAG
26701	AAATCCACAG	CGGCGGCAGC	AGCAGGAGGA	GGAGCGCTGC	GTCTGGCGCC	CAACGAACCC
26761	GTATCGACCC	GCGAGCTTAG	AAACAGGATT	TTTCCCACTC	TGTATGCTAT	ATTTCAACAG
26821	AGCAGGGGCC	AAGAACAAGA	GCTGAAAATA	AAAAACAGGT	CTCTGCGATC	CCTCACCCGC
26881	AGCTGCCGTG	ATCACAAAAG	CGAAGATCAG	CTTCGGCGCA	CGCTGGAAGA	CGCGGAGGCT
26941	CTCTTCAGTA	AATACTGCGC	GCTGACTCTT	AAGGACTAGT	TTGCGGCCCT	TTCTCAAATT
27001	TAAGCGCGAA	AACTACGTCA	TCTCCAGCGG	CCACACCCGG	CGCCAGCACC	TGTCGTCAGC
27061	GCCATTATGA	GCAAGGAAAT	TCCCACGCCC	TACATGTGGA	GTTACCAGCC	ACAAATGGGA
27121	CTTGCGGCTG	GAGCTGCCCA	AGACTACTCA	ACCCGAATAA	ACTACATGAG	CGCGGGACCC
27181	CACATGATAT	CCCGGGTCAA	CGGAATCCGC	CGCCACCGAA	ACCGAATTCT	CTTGGAACAG
27241	GCGGCTATTA	CCACCACACC	TCGTAATAAC	CTTAATCCCC	GTAGTTGGCC	CGCTGCCCTG
27301	GTGTACCAGG	AAAGTCCCGC	TCCCACCACT	GTGGTACTTC	CCAGAGACGC	CCAGGCCGAA
27361	GTTCAGATGA	CTAACTCAGG	GGCGCAGCTT	GCGGGCGGCT	TTGCTCACAG	GGTGCGGTCT
27421	CCCGGGCAGG	GTATAACTCA	CCTGACAATC	AGAGGGCGAG	GTATTAGCT	CAACGACGAG
27481	TCGGTGAGCT	CCTCGCTTGG	TCTCCGTCCG	GACGGGACAT	TTGAGATCGG	CGGCGCCGGC
27541	CGTCCTTCAT	TCACGCCTCG	TCAGGCAATC	CTAACTCTGC	AGACCTCGTC	CTCTGAGCCG
27601	CGCTCTGGAG	GCATTGGAAC	TCTGCAATTT	ATTGAGGAGT	TTGTGCCATC	GGTCTACTTT
27661	AACCCCTTCT	CGGGACCTCC	CGGCCACTAT	CCGGATCAAT	TTATTCTTAA	CTTTGACGCG
27721	GTAAAGGACT	CGGCGGACGG	CTACGACTGA	ATGTTAAGTG	GAGAGGCAGA	GCAACTGCGC
27781	CTGAAACACC	TGGTCCACTG	TCGCCGCCAC	AAGTGCTTTG	CCCGCGACTC	CGGTGAGTTT
27841	TGCTACTTTG	AATTGCCCGA	GGATCATATC	GAGGGCCCGG	CGCACGGCGT	CCGCTTATACC
27901	GCCCAGGGAG	AGCTTGCCCG	TAGCCTGATT	CGGGAGTTTA	CCCAGCGCCC	CCTGCTTAGTT
27961	GAGCGGGACA	GGGGACCCTG	TGTTCTCACT	GTGATTTGCA	ACTGTCTTAA	CCTTGGATTA
28021	CATCAAGATC	TTTGTGGCCA	TCTCTGTGCT	GAGTATAATA	AATACAGAAA	TTAAATATA
28081	CTGGGGCTCC	TATCGCCATC	CTGTAAACGC	CACCGTCTTC	ACCCGCCCAA	GCAAACCAAG
28141	GCGAACCTTA	CCTGGTACTT	TTAACATCTC	TCCCTCTGTG	ATTTACAACA	GTTTCAACCC
28201	AGACGGAGTG	AGTCTACGAG	AGAACCTCTC	CGAGCTCAGC	TACTCCATCA	GAAAAACAC
28261	CACCTCCTT	ACCTGCCGGG	AACGTACGAG	TGCGTCACCG	GCCGCTGCAC	CACACCTACC
28321	GCCTGACCGT	AAACCAGACT	TTTTCCGGAC	AGACCTCAAT	AACTCTGTTT	ACCAGAACAG
28381	GAGGTGAGCT	TAGAAAACCC	TTAGGGTATT	AGGCCAAAGG	CGCAGCTACT	GTGGGGTTTA
28441	TGAACAATTC	AAGCAACTCT	ACGGGCTATT	CTAATTCAGG	TTTCTCTAGA	AGTCAGGCTT
28501	CCTGGATGTC	AGCATCTGAC	TTTGGCCAGC	ACCTGTCCCG	CGGATTTGTT	CCAGTCCAAC
28561	TACAGCGACC	CACCCTAACA	GAGATGACCA	ACACAACCAA	CGCGGCCGCC	GCTACCGGAC
28621	TTACATCTAC	CACAAATACA	CCCCAAGTTT	CTGCCTTTGT	CAATAACTGG	GATAACTTGG
28681	GCATGTGGTG	GTTCTCCATA	GCGCTTATGT	TTGTATGCCT	TATTATTATG	TGGCTCATCT
28741	GCTGCCTAAA	GCGCAAACGC	GCCGACCAC	CCATCTATAG	TCCCATCATT	GTGCTACACC
28801	CAAACAATGA	TGGAATCCAT	AGATTGGACG	GACTGAAACA	CATGTTCTTT	TCTCTTACAG
28861	TATGATTAAA	TGAGATCTAG	AAATGGACGG	AATTATTACA	GAGCAGCGCC	TGCTAGAAAG
28921	ACGCAGGGCA	GCGGCCGAGC	AACAGCGCAT	GAATCAAGAG	CTCCAAGACA	TGGTTAACTT
28981	GCACCAGTGC	AAAAGGGGTA	TCTTTTGTCT	GGTAAAGCAG	GCCAAAGTCA	CCTACGACAG
29041	TAATACCACC	GGACACCGCC	TTAGCTACAA	GTGCCAACC	AAGCGTCAGA	AATTGGTGGT
29101	CATGGTGGA	GAAAAGCCCA	TTACCATAAC	TCAGACTCG	GTAGAAACCG	AAGGCTGCAT
29161	TCACTCACCT	TGTCAAGGAC	CTGAGGATCT	CTGCACCGTT	ATTAAGACCC	TGTGCGGTCT
29221	CAAAGATCTT	ATTCCCTTTA	ACTAATAAAA	AAAAATAATA	AAGCATCACT	TACTTAAAT
29281	CAGTTAGCAA	ATTTCTGTCC	AGTTTATTCA	GCAGCACCTC	CTTGCCCTCC	TCCCAGCTCT
29341	GGTATTGCAG	CTTCTCTCTG	GCTGCAAACT	TTCTCCACAA	TCTAAATGGA	ATGTCAGTTT
29401	CCTCCTGTTC	CTGTCCATCC	GCACCCACTA	TCTTCATGTT	GTTGCAGATG	AAGCGCGCAA
29461	GACCGTCTGA	AGATACCTTC	AACCCCGTGT	ATCCATATGA	CACGGAAACC	GGTCTCCAA
29521	CTGTGCCCTT	TCTTACTCCT	CCCTTTGTAT	CCCCCAATGG	GTTTCAAGAG	AGTCCCCCTG
29581	GGGTACTCTC	TTTGCGCCTA	TCCGAACCTC	TAGTTACCTC	CAATGGCATG	CTTGCGCTCA
29641	AAATGGGCAA	CGGCTCTCT	CTGGACGAGG	CCGGCAACCT	TACCTCCCAA	AATGTAACCA
29701	CTGTGAGCCC	ACCTCTCAAA	AAAACCAAGT	CAAACATAAA	CCTGGAAATA	TCTGCACCCC
29761	TCACAGTTAC	CTCAGAAGCC	CTAACTGTGG	CTGCCGCCGC	ACCTCTAATG	GTGCGGGGCA

FIGURE 23
(SHEET 9)

29821 ACACACTCAC CATGCAATCA CAGGCCCCGC TAACCGTGCA CGACTCCAAA CTTAGCATTG
 29881 CCACCCAAGG ACCCCTCACA GTGTGAGAAG GAAAGCTAGC CCTGCAAACA TCAGGCCCCC
 29941 TCACCACCAC CGATAGCAGT ACCCTTACTA TCACTGCCTC ACCCCCTCTA ACTACTGCCA
 30001 CTGGTAGCTT GGGCATTGAC TTGAAAGAGC CCATTTATAC ACAAATGGA AACTAGGAC
 30061 TAAAGTACGG GGCTCCTTTG CATGTAACAG ACGACCTAAA CACTTTGACC GTAGCAACTG
 30121 GTCCAGGTGT GACTATTAAT AATACTTCCT TGCAAATAA AGTTACTGGA GCCTTGGGTT
 30181 TTGATTCACA AGGCAATATG CAACTTAATG TAGCAGGAGG ACTAAGGATT GATTCTCAAA
 30241 ACAGACGCCT TATACTTGAT GTTAGTTATC CGTTTGATGC TCAAAACCAA CTAAATCTAA
 30301 GACTAGGACA GGGCCCTCTT TTTATAAACT CAGCCCACAA CTTGGATATT AACTACAACA
 30361 AAGGCCTTTA CTTGTTTACA GCTTCAAACA ATTCCAAAAA GCTTGAGGTT AACCTAAGCA
 30421 CTGCCAAGGG GTTGATGTTT GACGCTACAG CCATAGCCAT TAATGCAGGA GATGGGCTTG
 30481 AATTTGGTTC ACCTAATGCA CCAAACACAA ATCCCCTCAA AACAAAAATT GGCCATGGCC
 30541 TAGAATTTGA TTCAAACAAG GCTATGGTTC CTAAACTAGG AACTGGCCTT AGTTTTGACA
 30601 GCACAGGTGC CATTACAGTA GGAAACAAAA ATAATGATAA GCTAACTTTG TGGACCACAC
 30661 CAGCTCCATC TCCTAACTGT AGACTAAATG CAGAGAAAGA TGCTAAACTC ACTTTGGTCT
 30721 TAACAAAATG TGGCAGTCAA ATACTTGCTA CAGTTTCAGT TTTGGGTGTT AAAGGCAGTT
 30781 TGGCTCCAAT ATCTGGAACA GTTCAAAGTG CTCATCTTAT TATAAGATTT GACGAAAATG
 30841 GAGTGCTACT AAACAATTCC TTCCTGGACC CAGAATATTG GAACTTTAGA AATGGAGATC
 30901 TTAAGTGAAG CACAGCCTAT ACAAACGCTG TTGGATTAT GCCTAACCTA TCAGCTTATC
 30961 CAAAATCTCA CGGTAAAACT GCCAAAAGTA ACATGTGTCAG TCAAGTTTAC TTAAACGGAG
 31021 ACAAATACTA ACCTGTAAAC CTAACCATTA CACTAAACGG TACACAGGAA ACAGGAGACA
 31081 CAACTCCAAG TGCATACTCT ATGTCAATTT CATGGGACTG GTCTGGCCAC AACTACATTA
 31141 ATGAAATATT TGCCACATCC TCTTACACTT TTTCATACAT TGCCCAAGAA TAAAGAATCG
 31201 TTGTGTTTAT GTTTCAACGT GTTTATTTTT CAATTGCAGA AAATTTCAAG TCATTTTTCA
 31261 TTCAGTAGTA TAGCCCCACC ACCACATAGC TTATACAGAT CACCGTACCT TAATCAAAC
 31321 CACAGAACCC TAGTATTCAA CCTGCCACCT CCCTCCCAAC ACACAGAGTA CACAGTCCTT
 31381 TCTCCCCGGC TGGCCTTAAA AAGCATCATA TCATGGGTAA CAGACATATT CTTAGGTGTT
 31441 ATATTCCACA CGGTTTCCTG TCGAGCCAAA CGCTCATCAG TGATATTAAT AAATCCCCG
 31501 GGCAGCTCAC TTAAGTTCAT GTCGCTGTCC AGCTGCTGAG CCACAGGCTG CTGTCCAAC
 31561 TGCGGTTGCT TAACGGGGCG CGAAGGAGAA GTCCACGCCT ACATGGGGT AGAGTCATAA
 31621 TCGTGCATCA GGATAGGGCG GTGGTGTCTG ACACATGGCA AGCAGCGCGC GAATAAACTG CTGCCGCGC
 31681 CGCTCCGTCC TGCAGGAATA CAACATGGCA GTGGTCTCCT CAGCGATGAT TCGCACCGCC
 31741 CGCAGCATAA GCGCGCTTGT CCTCCGGGCA CAGCAGCGCA CCCTGATCTC ACTTAAATCA
 31801 GCACAGTAAC TGCAGCACAG CACCACAATA TTGTTCAAAA TCCCACAGTG CAAGGCGCTG
 31861 TATCCAAAGC TCATGGCGGG GACCACAGAA CCCACGTGGC CATCATACCA CAAGCGCAGG
 31921 TAGATTAAGT GCGGACCCCT CATAAACACG CTGGACATAA ACATTACCTC TTTTGGCATG
 31981 TTGTAATTCA CCACCTCCCG GTACCATATA AACCTCTGAT TAAACATGGC GCCATCCACC
 32041 ACCATCCTAA ACCAGCTGGC CAAAACCTGC CCGCCGGCTA TACACTGCAG GGAACCGGGA
 32101 CTGGAACAAT GACAGTGGAG AGCCCAGGAC TCGTAACCAT GGATCATCAT GTCCTGTCATG
 32161 ATATCAATGT TGGCACAACA CAGGCACACG TGCATACACT TCCTCAGGAT TCAAGCTCC
 32221 TCCCGCGTTA GAACCATATC CCAGGGAACA ACCCATTCCT GAATCAGCGT AAATCCCACA
 32281 CTGCAGGGAA GACCTCGCAC GTAACCTACG TTGTGCATTG TCAAAGTGTT ACATTCGGGC
 32341 AGCAGCGGAT GATCCTCCAG TATGTTAGCG CGGGTTTCTG TCTCAAAGG AGGTAGACGA
 32401 TCCCTACTGT ACGGAGTGGC CCGAGACAAC CGAGATCGTG TTGGTCTGAT GTGCATGCCA
 32461 AATGGAACGC CGGACGTAGT CATATTTCTT GAAGCAAAAC CAGGTGCGGG CGTGACAAAC
 32521 AGATCTGCGT CTCCGGTCTC GCCGCTTAGA TCGCTCTGTG TAGTAGTTGT AGTATATCCA
 32581 CTCTCTCAAA GCATCCAGGC GCCCCCTGGC TTCGGGTTCT ATGTAAACTC CTTTATGCGC
 32641 CGCTGCCCTG ATAACATCCA CCACCGCAGA ATAAGCCACA CCCAGCCAAC CTACACATTC
 32701 GTTCTGCGAG TCACACACGG GAGGAGCGGG AAGAGCTGGA AGAACCATGT TTTTTTTTTT
 32761 ATTCCAAAAG ATTATCCAAA ACCTCAAAAT GAAGATCTAT TAAGTGAACG CGCTCCCCCTC
 32821 CGGTGGCGTG GTCAAATCT ACAGCCAAAG AACAGATAAT GGCATTTGTA AGATGTTGCA
 32881 CAATGGCTTC CAAAAGGCAA ACGGCCCTCA CGTCCAAGTG GACGTAAAGG CTAAACCCTT
 32941 CAGGGTGAAT CTCCTCTATA AACATTCCAG CACCTTCAAC CATGCCCAAA TAATTCTCAT
 33001 CTCGCCACCT TCTCAATATA TCTCTAAGCA AATCCCGAAT ATTAAGTCCG GCCATGTGTA
 33061 AAATCTGCTC CAGAGCGCCC TCCACCTTCA GCCTCAAGCA GCGAATCATG ATTGCAAAAA
 33121 TTCAGGTTCC TCACAGACCT GTATAAGATT CAAAAGCGGA ACATTAACAA AAATACCGCG
 33181 ATCCCGTAGG TCCCTTCGCA GGGCCAGCTG AACATAATCG TGCAGGTCTG CACGGACCAG

FIGURE 23
(SHEET 10)

33241	CGCGGCCACT	TCCCCGCCAG	GAACCTTGAC	AAAAGAACCC	ACACTGATTA	TGACACGCAT
33301	ACTCGGAGCT	ATGCTAACCA	GCGTAGCCCC	GATGTAAGCT	TTGTTGCATG	GGCGGCGATA
33361	TAAAATGCAA	GGTGCTGCTC	AAAAAATCAG	GCAAAGCCTC	GCGCAAAAAA	GAAAGCACAT
33421	CGTAGTCATG	CTCATGCAGA	TAAAGGCAGG	TAAGCTCCGG	AACCACCACA	GAAAAAGACA
33481	CCATTTTTCT	CTCAAACATG	TCTGCGGGTT	TCTGCATAAA	CACAAAATAA	AATAACAAAA
33541	AAACATTTAA	ACATTAGAAG	CCTGTCTTAC	AACAGGAAAA	ACAACCCTTA	TAAGCATAAG
33601	ACGGACTACG	GCCATGCCGG	CGTGACCGTA	AAAAAACTGG	TCACCGTGAT	TAAAAAGCAC
33661	CACCGACAGC	TCCTCGGTCA	TGTCCGGAGT	CATAATGTAA	GAATCGGTAA	ACACATCAGG
33721	TTGATTCATC	GGTCAGTGCT	AAAAAGCGAC	CGAAATAGCC	CGGGGGAATA	CATACCCGCA
33781	GGCGTAGAGA	CAACATTACA	GCCCCCATAG	GAGGTATAAC	AAAATTAATA	GGAGAGAAAA
33841	ACACATAAAC	ACCTGAAAAA	CCCTCCTGCC	TAGGCAAAAT	AGCACCCCTC	CGCTCCAGAA
33901	CAACATACAG	CGCTTCACAG	CGGCAGCCTA	ACAGTCAGCC	TTACCAGTAA	AAAAGAAAAAC
33961	CTATTAAAAA	AACACCACTC	GACACGGCAC	CAGCTCAATC	AGTCACAGTG	TAAAAAAGGG
34021	CCAAGTGCAG	AGCGAGTATA	TATAGGACTA	AAAAATGACG	TAACGGTTAA	AGTCCACAAA
34081	AAACACCCAG	AAAACCGCAC	GCGAACCTAC	GCCCAGAAAC	GAAAGCCAAA	AAACCCACAA
34141	CTTCCTCAAA	TCGTCACTTC	CGTTTTCCCA	CGTTACGTAA	CTTCCCATT	TAAGAAAACT
34201	ACAATTCCCA	ACACATACAA	GTTACTCCGC	CCTAAAACCT	ACGTCACCCG	CCCCGTTCCC
34261	ACGCCCCGCG	CCACGTCACA	AACTCCACCC	CCTCATTATC	ATATTGGCTT	CAATCCAAAA
34321	TAAGGTATAT	TATTGATGAT	G			

FIGURE 23
(SHEET 11)